Prodigy in
Zamzam water
from the Engineering Perspective

PREPARED AND PRESENTED

BY

SAMEER AHMED AL-QURASHI

1441H – 2020G

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PRODIGY IN ZAMZAM WATER (ZW) FROM THE ENGINEERING PERSPECTIVE

SAMEER AHMED MOHAMMED AL-QURASHI

JEDDAH (1441H – 2020G)

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﴿And We have made from water every living thing. Will they not then believe﴾

(SURAH AL ANBIYA: VERSE 30)

(CONTENTS)

INTRODUCTION

When our Master Prophet Ibrahim, peace be upon him, and the mother of Ishmael came to Makkah, and at that time Ishmael was a baby, He left her and her son in Makkah (the place of the Zamzam well right now). She started to drink from it and feeding her baby until the water was finished as a result, her milk was dried up, so her son became very hungry and was starving. She looked at him while he was crying hard so that she thought that he was dying. From the severity of her confusion, she started walking between As-Safa and Al-Marwa until she walked between them seven times, then she went back to her son, then she heard a voice and said: **"I hear your voice so, help me if you have any good"**. Therefore, Gabriel struck the ground, and the water appeared, so the mother of Ismail started throwing sand on the pit to prevent the water from escaping. She said to the water, **"Zam, Zam",** meaning (be gathered) so, the water was gathered, and the pit's water was great and for this reason, it was called Zamzam.

When the **Jarhum** tribe, coming from the Levant, passed to Yemen, the passengers saw the bird in water. Therefore, some of them said that there was no water in this valley, and they went down on the water after getting permission of the mother of Ismail.

Consequence of this, Urbanization began to increase in Makkah after our master Ibrahim and his son Ismail built the Sacred House. The **"Jarhum tribe"** continued to take charge of the Sacred House and the Well of Zamzam for portion of time, until the Khuza'a tribe came and took charge of the house, and then **Qusay bin Kalab** took over in the fifth century AD.

At that time, Zamzam was neglected until its landmarks disappeared and remained so until it was excavated by Abdul-Motaleb bin Hashem, the grandfather of Prophet Mohammed, may God bless him and grant him peace. It is worth to be mentioned that Abdul Motaleb excavated the Zamzam well after the elephant incident until the Zamzam water came out.



Valley without cultivation



An aerial view of the Great Mosque of Makkah, three thousand years after the emergence of Zamzam water

ZAMZAM IN THE HOLY QURAN

God Almighty said:

﴾O our Lord! I have made some of my offspring to dwell in a valley without cultivation, by Thy Sacred House; in order, O our Lord, that they may establish regular Prayer: so, fill the hearts of some among men with love towards them, and feed them with fruits: so that they may give thanks﴿.

(Surah Ibrahim: Verse 37)

ZAMZAM IN THE HADITHS (SAYINGS) OF THE PROPHET MOHAMMED

It was narrated that Jabir bin ‘Abdullah said: “I heard the Messenger of Allah say: **‘The water of Zamzam is for whatever it is drunk for.’”**

The Messenger of God, May God bless him and grant him peace, said on the authority of the Well of Zamzam:

“The water of Zamzam is the best water on Earth; it has the feed of hunger and the recovery of illness.”

The Messenger of God, May God bless him and grant him peace, said, "May Allah bestow Mercy on the mother of Ishmael. Had she let the Zamzam (flow without trying to control it) (or had she not scooped from that water) (to fill her water-skin), Zamzam would have been a stream flowing on the surface of the earth."

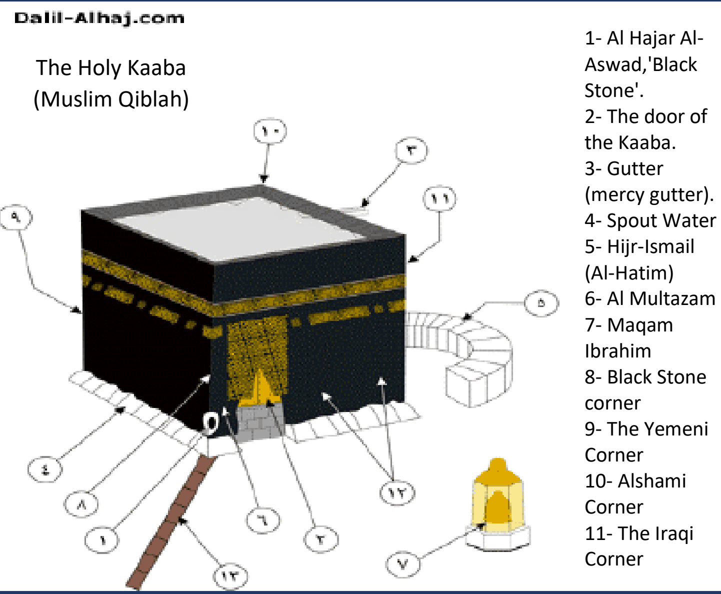
EMPHASIS ON

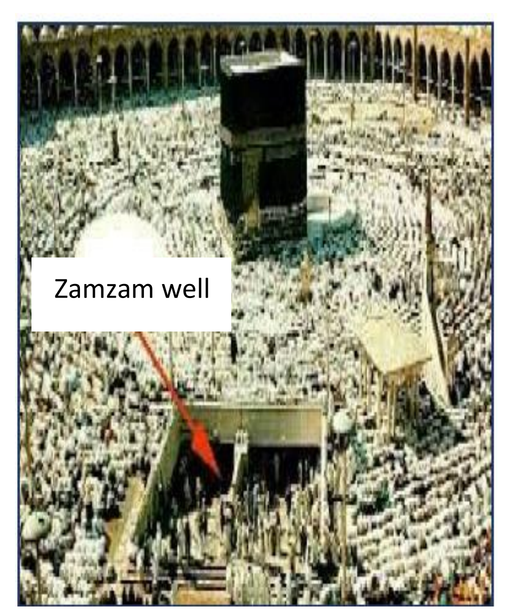
AN IMPORTANT PRINCIPLE

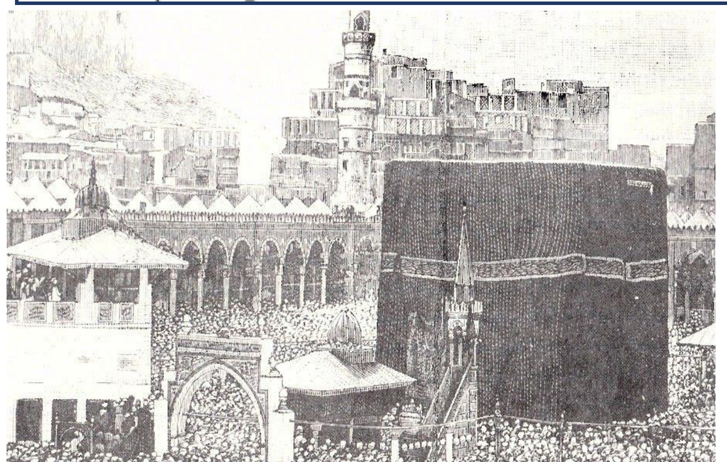
RELATED TO ZAMZAM WATER AND OTHER DEVOTIONAL MATTERS

Mentioning scientific facts and medical benefits is to strengthen the Islamic ruling, and to deal with the texts of the Qur'an and Sunnah within the data of science and in accordance with the laws of nature and the statutes of the universe, to highlight the wisdom in this worship.

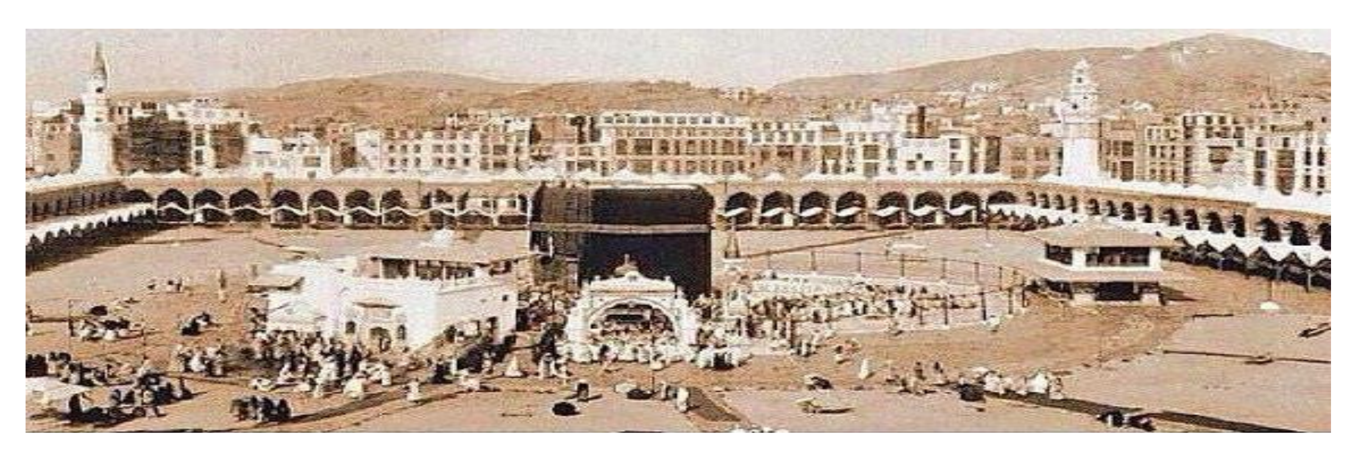
The Holy Mosque of Makkah in the past, and the location of the well of Zamzam appears downwards with stairs below the level of the Tawaf







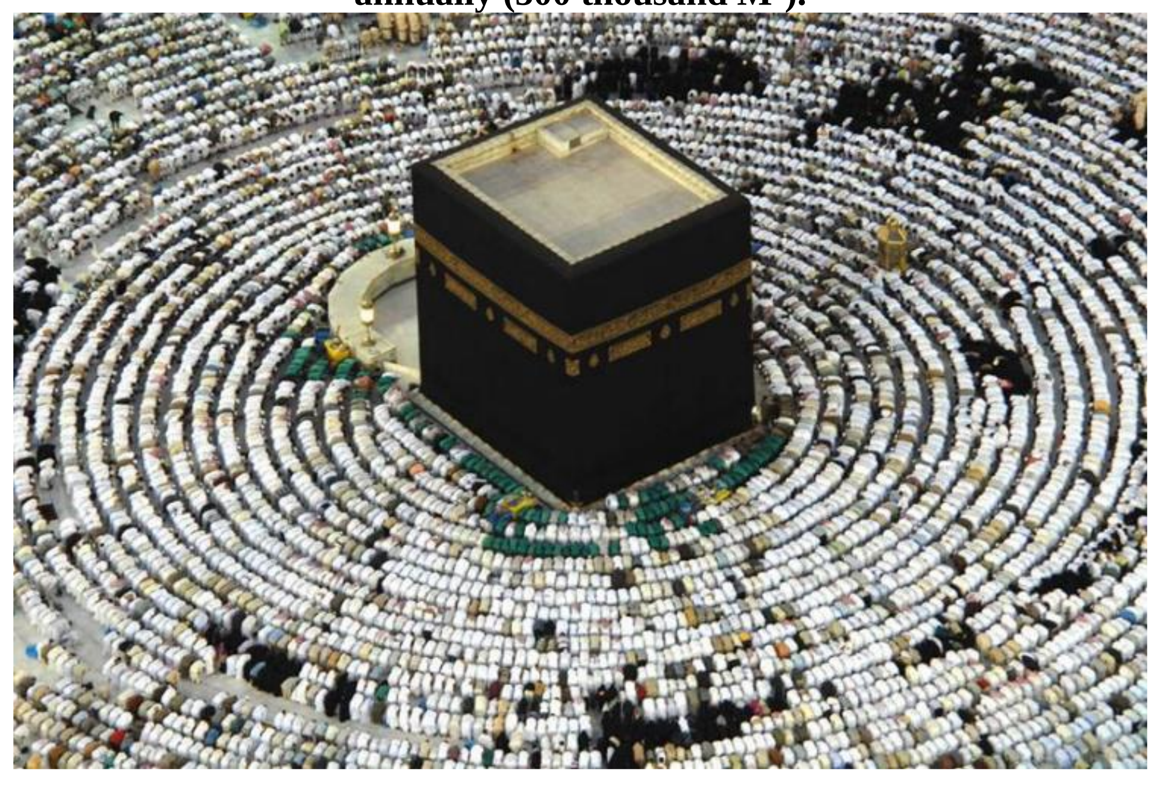




Millions of pilgrims and Umrah performers drink from Zamzam water daily



The average consumption of Zamzam water for pilgrims is about 500 million liters annually (500 thousand M^3).

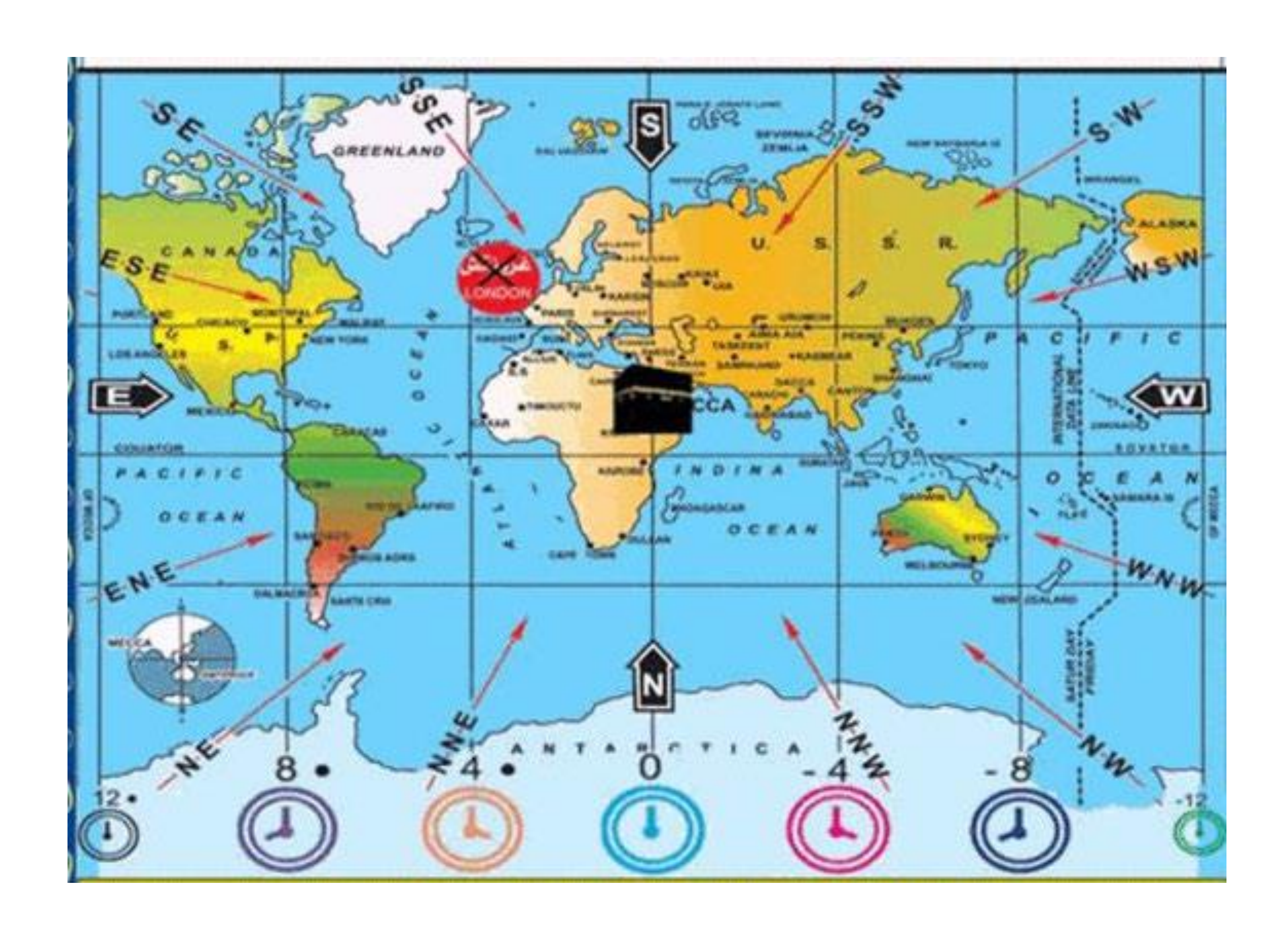


GEOGRAPHIC INFORMATION SYSTEMS OF MAKKAH

GEOGRAPHIC INFORMATION SYSTEMS FOR MAKKAH

The nature of Makkah was honored by God, is a valley surrounded by mountains from every direction, and the Kaaba is considered below sea level on the globe, and next to it is the Well of Zamzam.

It has been proven and discovered that the center of the globe is scientifically in Makkah. Therefore, if we take longitude and latitude and make Makkah the center, we will find it equal in the east and west as well as south and north, and the time of hours can be calculated as negative from the eastern side and positive from the western side.



The Muslim scholar Dr. Hussein Kamal (**may God have mercy on him**) discovered that the center of the globe is Mecca, with modern devices and continuous studies, where the idea began to determine the direction of the Qibla.

In addition, modern science discovered that Mecca is the center of gravity of the Earth.

First: Makkah is The center of the globe

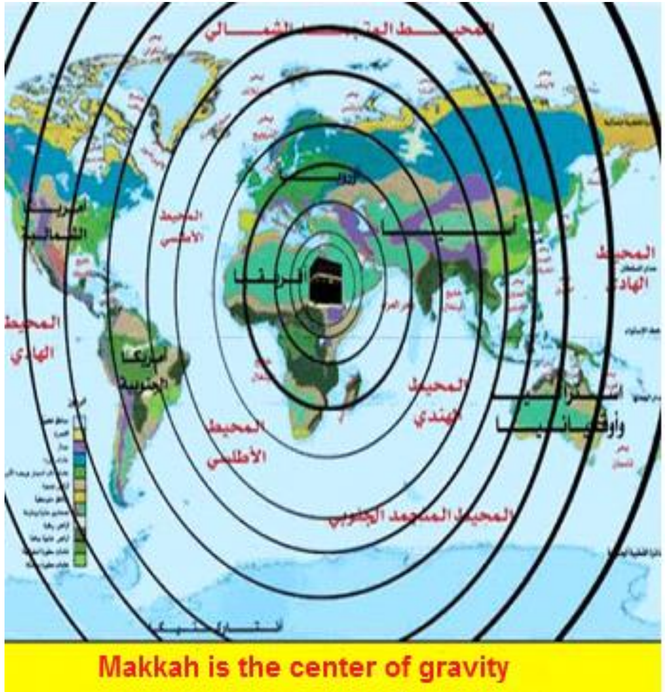
The world was dazzled in January 1977, when it revealed a new scientific fact that Makkah is the center of the land on the globe, and this discovery came because of a tedious effort that took only years of continuous scientific research, and the study relied on a set of tools and complex mathematical tables. It contains a scientist with the latest scientific findings, from electronic machines, topographic maps, etc.



The Muslim scholar, Dr. Hussein Kamal al-Din (may Allah have mercy on him) narrates the story of his strange discovery, and he states: He started the research and his goal was completely different, as he was conducting research to prepare a method that helps every person anywhere in the world to know and determine the direction of the qiblah, because he had felt in His many trips abroad, that this is the problem of every Muslim - especially - when he is in a place where there are no mosques that mark the direction of the qiblah, so he thought about drawing a new map of the globe, to determine the directions of the qiblah on it, and after he laid the first lines in the research and preparatory preparation for this map, And he painted the five continents on it, the first of which suddenly appeared this discovery, which aroused not his surprise !!!! It was found that the location of Mecca is in the middle of the world from dry land ... and he held his hand Vagara - a tool for drawing circles - and placed its tip on the city of Mecca and passed the other end on the edges of all continents, confirming to him that the land on the surface of the earth is distributed around Mecca in distribution. Regular and found Mecca - in this case - is the center of the land. He prepared a map of the ancient world - that is, before the discovery of America and Australia - and repeated the attempt, and with it he discovered that Mecca was also the center of the land - even for the ancient world - the day the call to Islam began.

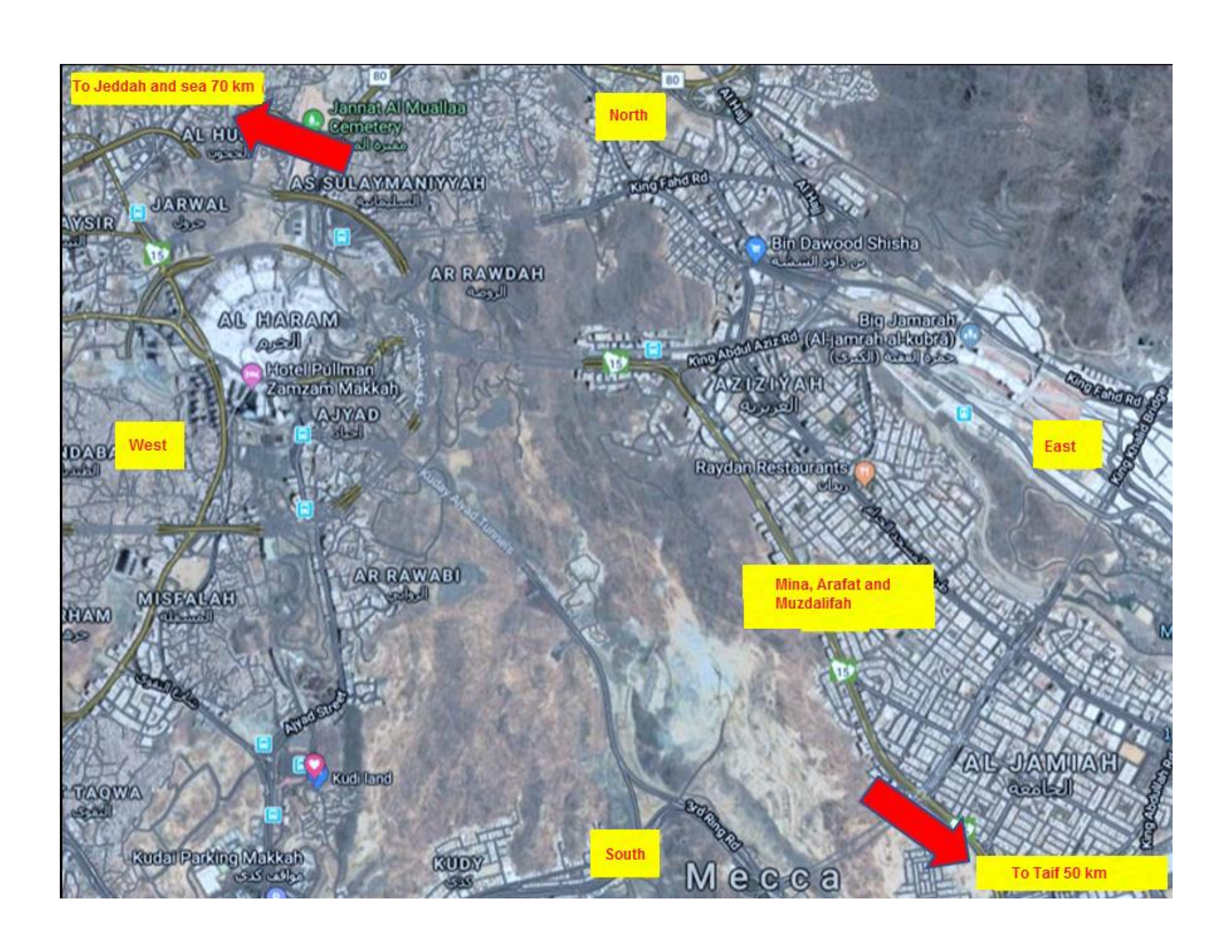
Second: Makkah is The center of gravity

Modern science has also discovered that Makkah is the center of gravity in the world. This is what an American scientist in the science of topography has reached, and he is not motivated by a religious belief, as he made a great effort In his laboratory, continuing his day and night, with maps of the earth and other machines and tools, so he discovered - unintentionally - that the center of gravity is Makkah. There is no God but Allah!!!.
This explains to us a strange phenomenon, which is the innate attraction of humans to Mecca: its land ... its mountains ... its streets ... its dwellings ... and everything in it. This feeling has continued since the beginning of earthly existence ...!!!

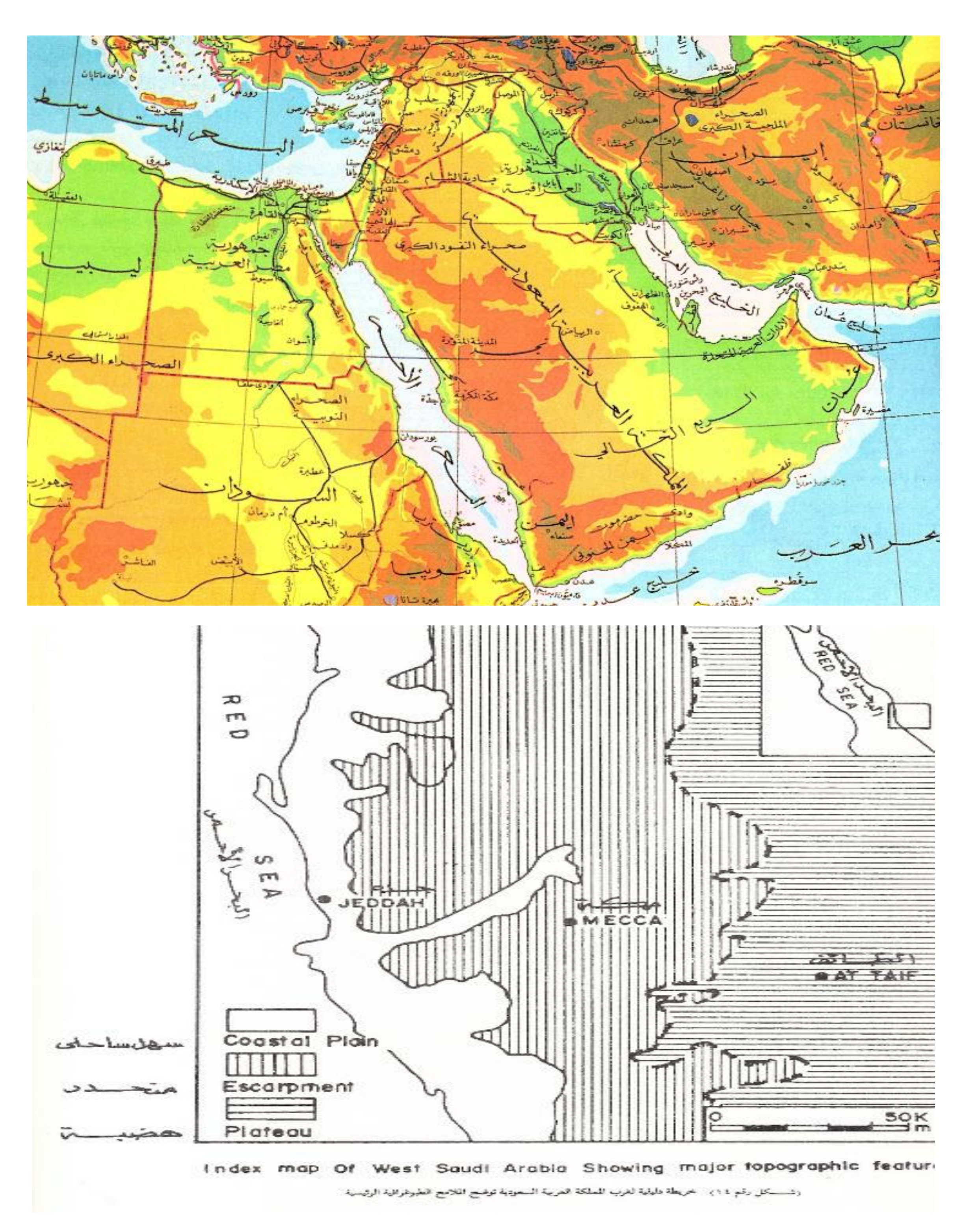


Makkah is the center of gravity

DIRECTIONS IN MAKKAH AND THE LOCATION OF THE HOLY MOSQUE OF MAKKAH (THE GRAND MOSQUE) IN MAKKAH AND THE SURROUNDING MOUNTAINS.



Topography of the kingdom and Makkah, showing the surrounding mountains, plateaus and plains





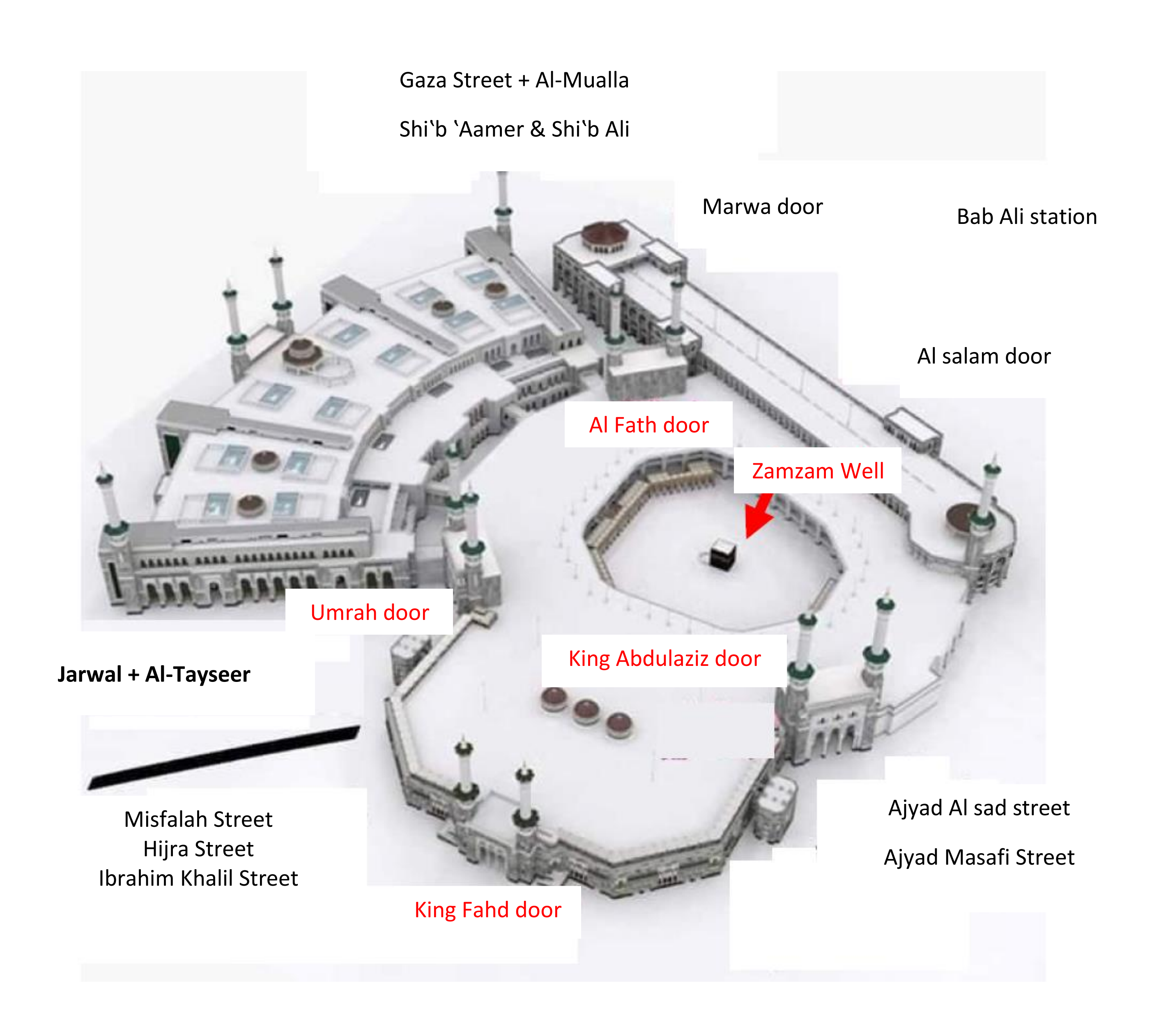
A PHOTO OF THE HOLY MOSQUE OF MAKKAH IN 1990 AD, SHOWING THE SURROUNDING MOUNTAINS



A PHOTO OF THE GREAT MOSQUE OF MAKKAH IN 2019 AD, SHOWING THE SURROUNDING MOUNTAINS

GEOGRAPHIC INFORMATION SYSTEMS OF ZAMZAM WELL

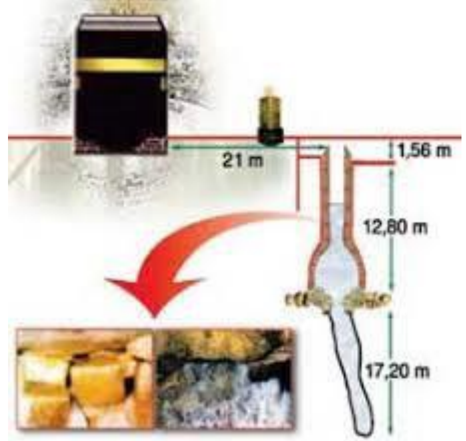
Zamzam Well Location in the new expansion of the Holy Mosque of Makkah

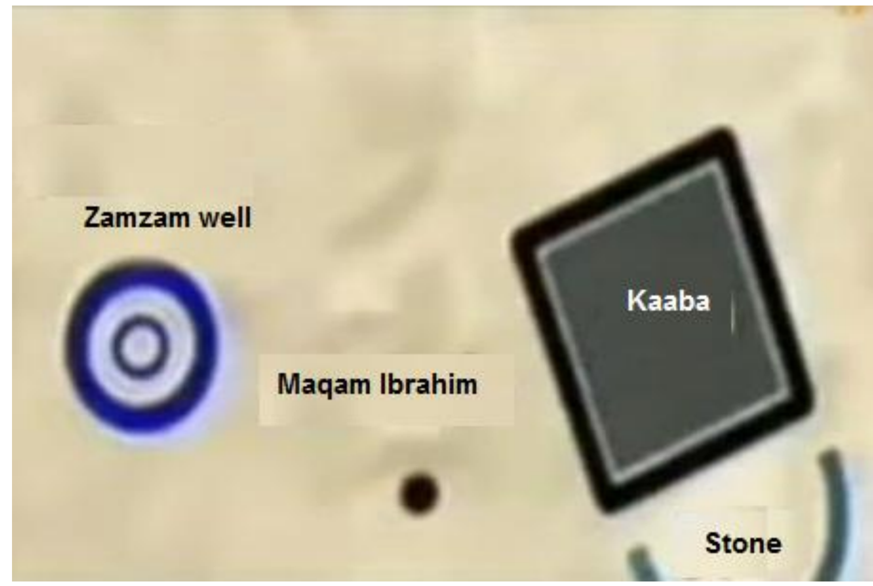


ZAMZAM WELL

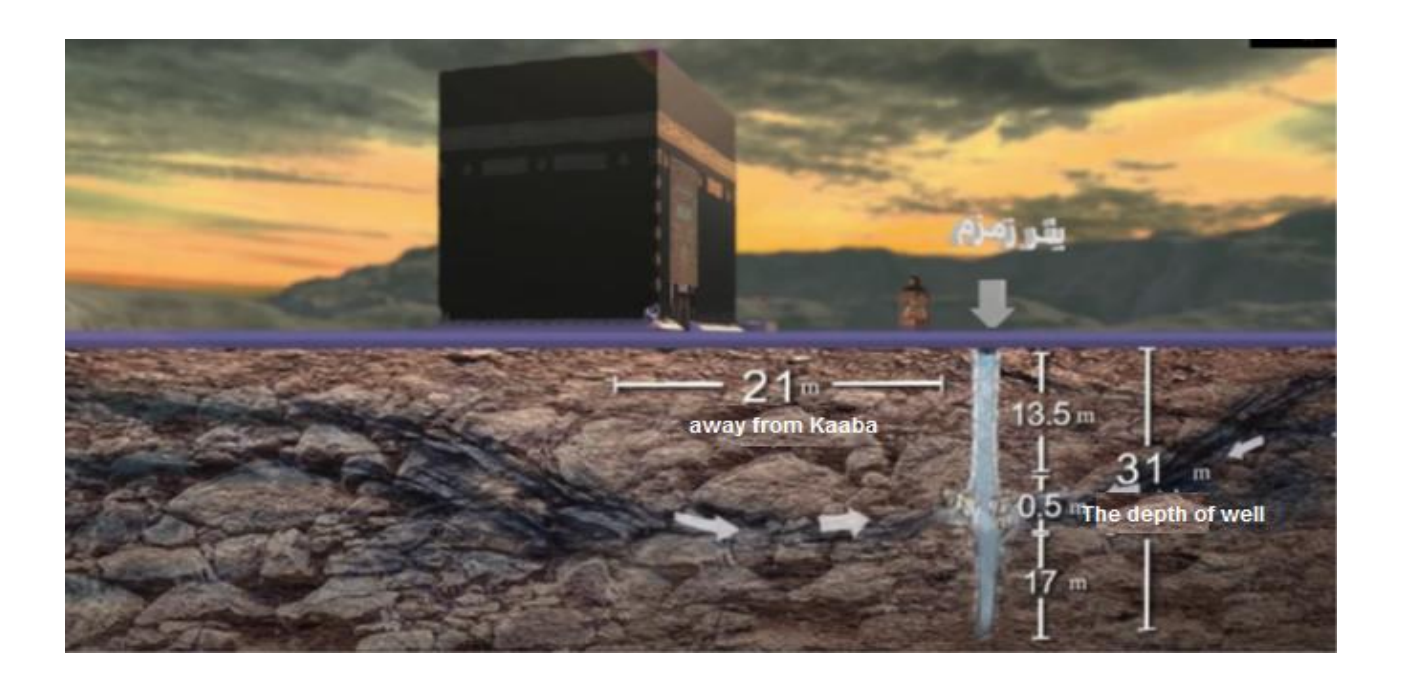
It is a well located in the Great Mosque of Makkah, 21 meters from the Kaaba, and its water is considered one of the blessed matters for Muslims.

Studies have reported that well fed springs pump between 11 to 18.5 liters of water per second. The well is 31 meters deep, and it is a well in the middle of igneous and metamorphic rocks that are highly crystalline, solid, not porous, and usually impermeable. The remarkable thing, which is greater than that, is that this well continues to flow with albumin water over more than three thousand years, despite being buried and dug several times and at intervals.

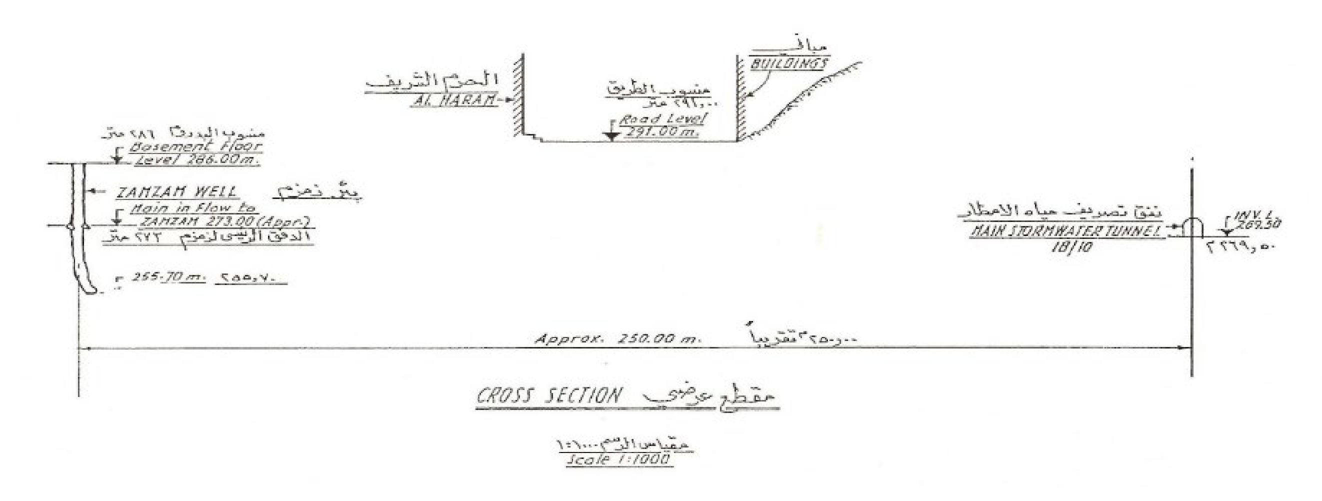


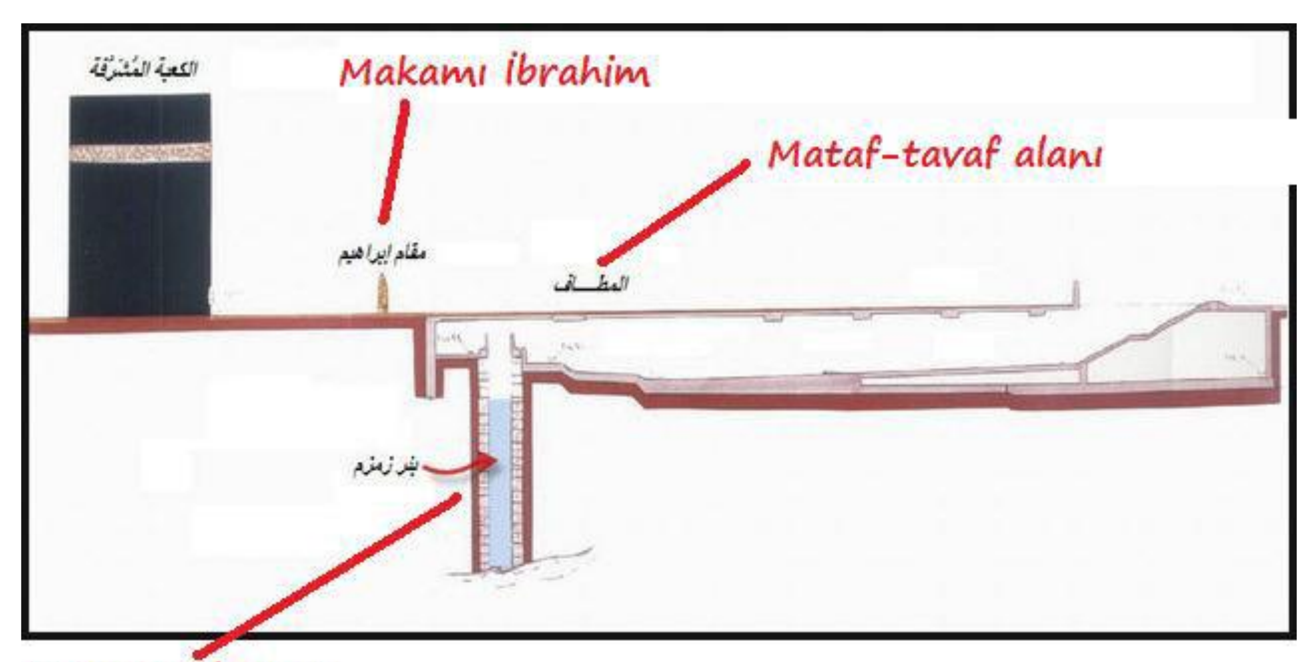


GEOGRAPHY OF THE WELL



The hole of the well is located below the road level at a depth of 5 meters, behind the shrine of Ibrahim to the left, facing the Kaaba. Moreover, the well is divided into two parts, the first is built at a depth of 13 meters from the hole of the well, and the second is a part dug in the rock of the mountain with a length of 17 meters, meaning that the depth of the well is 30 meters from the hole of the well to the bottom.




الكعبة المشرفة
Makamı İbrahim
Mataf-tavaf alanı
مقام إبراهيم
المطاف
بئر زمزم
Zemzem kuyusu

Rainfall on Makkah and the Haram

and the well was buried with water

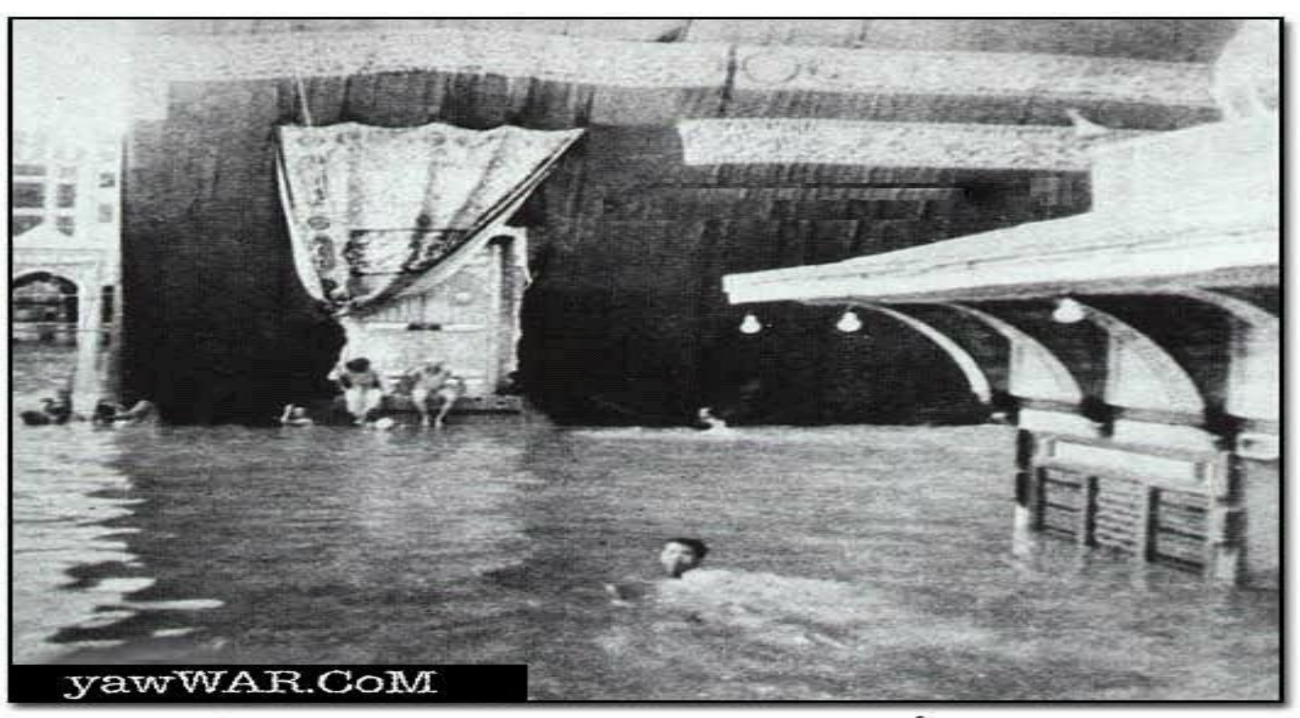
The nature of Mecca is a valley surrounded by mountains. When the rains fall on Mecca, the Holy Mosque of Mecca is filled, which affects the Zamzam well, but the divine miracle after removing rainwater from the sanctuary, the well begins to erupt for the mud to come out of it and return as it was before.



THIS PHOTO WAS TAKEN OF SAIL AL-RAB'A (AL-RAB'A TORRENT) IN MAKKAH IN 1360H (1941G)



THE END OF GAZA STREET, BEFORE THE GRAND MOSQUE (THE HOLY MOSQUE IN Makkah)



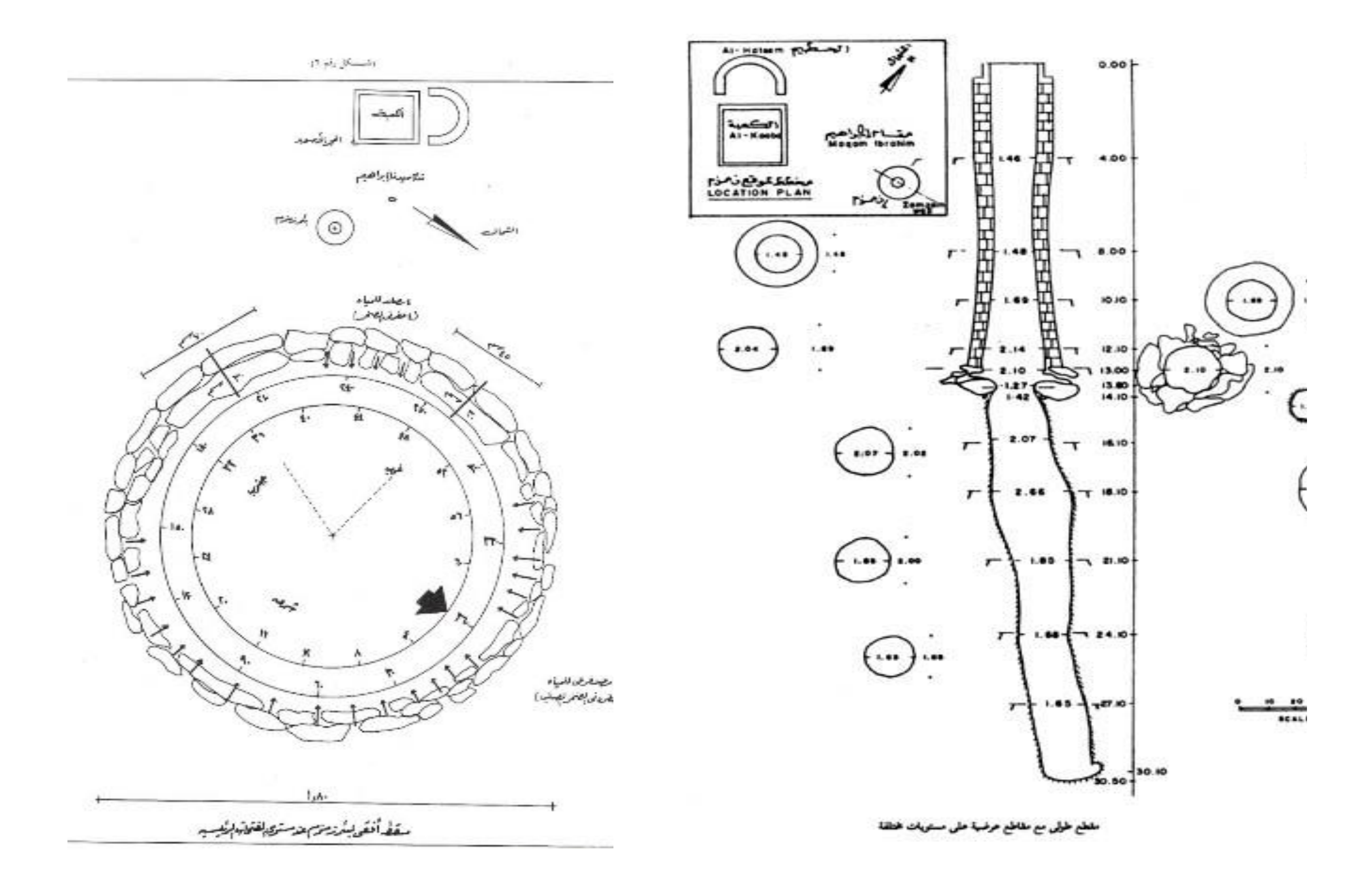
صورة نادرة للحرم أخذت عام 1941 م ومستوى المطر يصل الى الحجر السود
والطواف حول الكعبة .... بالسباحة

A RARE PICTURE OF THE GRAND MOSQUE TAKEN IN 1941 WITH THE RAIN LEVEL REACHING THE BLACK STONE AND CIRCLING AROUND THE KAABA ... BY SWIMMING

The source of the water flowing to the Zamzam Well

The source of the water flowing to the Zamzam Well was not known until after the tunnels were dug around Mecca, when the workers noticed the abundant flow of water in these tunnels from the main springs, channels and fine capillary cracks, extending for huge distances away from Makkah, and in all directions around it.

This confirms the saying of the Prophet Mohammed, may Allah's prayers and peace be upon Him, that it resulted from a severe knock that He described in His honorable saying: It is **(the knockdown of Gabriel and Ismael's share of water from Allah)**. The **knockdown** means the severe knock in the language.



THE MAIN SPRINGS FEEDING THE ZAMZAM WELL

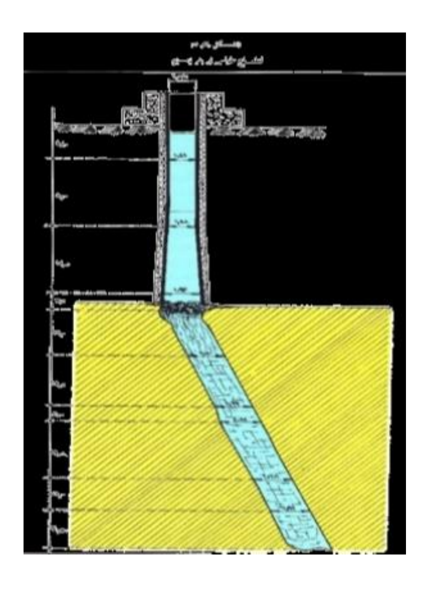
THE MAIN SPRINGS THAT SUPPLY

THE ZAMZAM WELL ARE THREE EYES:

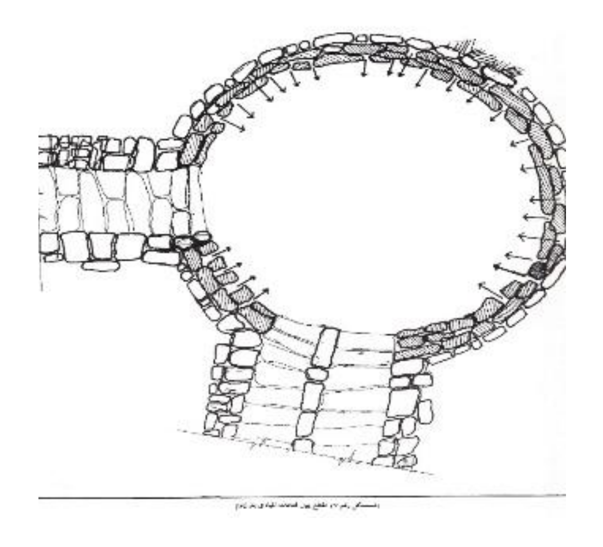
(1) black corner Side

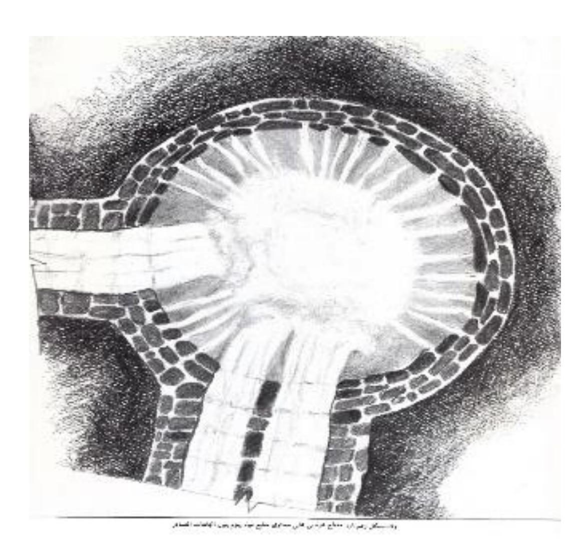
(2) The side of Mount Abu Qubays and Al-Safa

(3) Marwa side



According to the old definition of the well, and it is close to the current one. These springs are in the walls of the well at a depth of 13 meters from the opening of the well. There are other sources for the exit of Zamzam water from under and around the well.





THE NOZZLE OF THE ZAMZAM WELL IN THE OLD DAYS











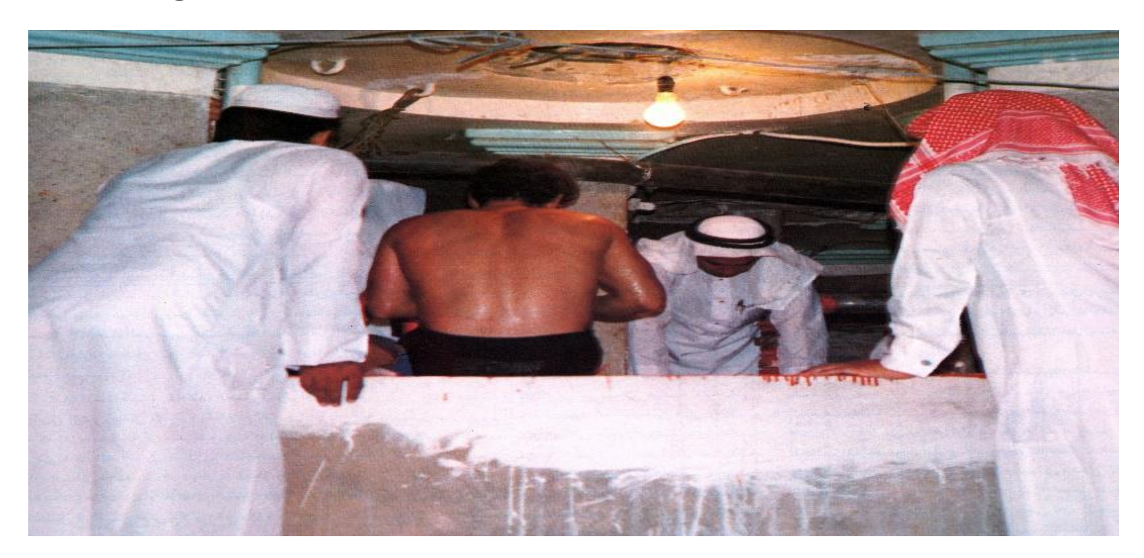
A PHOTO OF THE ZAMZAM WELL, WHICH KING ABDULAZIZ ORDERED IN 1927G TO BE REPAIRED, CLEANED, AND TO PUT A CAP ON THE WELL'S MOUTH

ZAMZAM WELL

WITHIN THE MODERN ERA

WITHIN THE ERA OF KING KHALID, MAY ALLAH HAVE MERCY ON HIM

Royal directives were issued to the General Presidency for the Affairs of the Two Holy Mosques to consider the protection of the well from any leaks resulting from the drilling work. In addition, the features of the well were defined for the first time in history, and the bottom of the well was cleaned of accumulations that had accumulated inside it more than a thousand year ago and its weight reached ten tons.



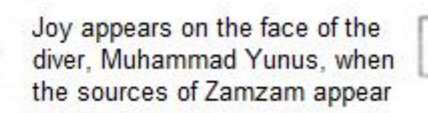


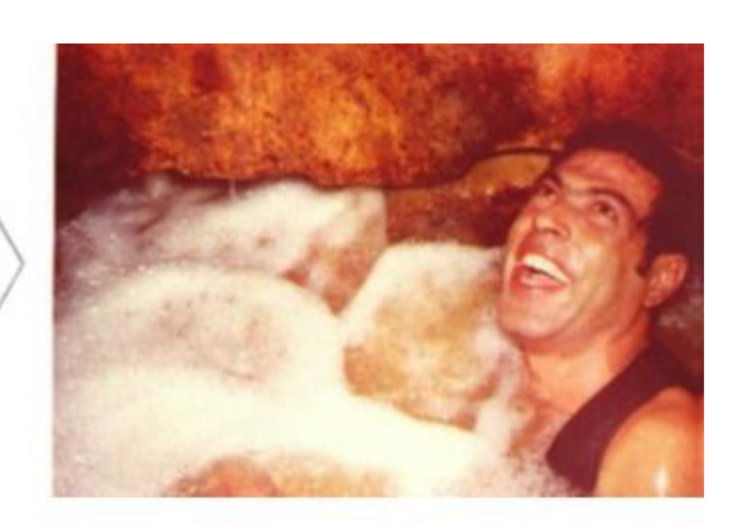
A TEAM OF SCIENTISTS, CONSULTANTS AND ENGINEERS WAS FORMED TO UNCOVER THE WELL'S MYSTERY IN ADDITION TO CLEANING IT

The scientists were very surprised during the expansion of the Grand Mosque in Mecca and the operation of huge pumps to suction water from the Zamzam well so that the foundations could be laid, because the abundance of withdrawn water was met by a continuous flood in the water, erupting and flowing as if it were sea waves.

In addition, it has been found in its main source a mysterious secret that geologists consider a great treasure, which may be impossible to reveal its symbols until the Doomsday, as no water reaches this spring until it acquires the properties of Zamzam water in terms of lucidity and purification.

This result is not theoretical, metaphysical, or transmitted from the stomachs of ancient books, but it is a summary of scientific research that included the well, its water and the degree of its purity, and included water from other wells very close to it, as it was found that it does not have the same properties. Glory be to Allah, the One who made Zamzam water flood from the well for thousands of years without drying out or reducing the volume of water in it


Joy appears on the face of the diver, Muhammad Yunus, when the sources of Zamzam appear



Engineer Yahya Koshak, who holds a PhD in Environmental Engineering from the University of Washington in the year 1971 AD, and is one of the consultants for cleaning and uncovering the well says that the sources of water from the Zamzam well are, according to the determination he made with the scientific team that he headed in 1400 AH and published his results in his book "Zamzam", saying:

"The main source is a hole directly under the Black Stone, 45 cm in length and 30 cm in height, through which the largest amount of water flows".

However, there is a second source that shows that there is a large opening towards the magnifier, (a building dedicated to raising the call to prayer and the iqama overlooking the place of the circumambulation), with a length of 70 cm, and it is divided from the inside into two holes, and its height is 30 cm.

In addition, there are small holes between the building blocks in the well through which water comes out, five of them in the distance between the two main holes of one meter. There are also 21 other openings that start from the first main hole, towards Jabal Abu Qubays from Al-Safa and the other from the direction of Al-Marwa.



The idea of the consultant, Moein Al-Din, to know the source of the water

which is to quickly suction the water using a huge pump that was located on the site to transfer Zamzam water to the reservoirs so that the water level decreases, allowing him to see its source. However, he was unable to notice anything during the suction period, so he asked his assistant to go into the water again, and here the man felt that the sand was moving under his feet throughout the well during the suction, while new water springs from it to replace it. In addition, water was originating at the same rate as the water withdrawal caused by the pump, so that the water level in the well was not affected at all by the pump. It was not easy for him to believe that a small pool of water not exceeding 18 feet in length and 14 feet in width provided millions of gallons of water every year for pilgrims since it was excavated during the era of Ibrahim, peace be upon him.



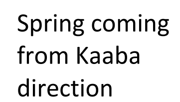
صورة من أعلا والمياه تتدفق



لوحة زيتية منقولة من الصور المأخوذة لداخل البئر تبين المصدرين الرئيسين

Zamzam water flow from the bottom of the well



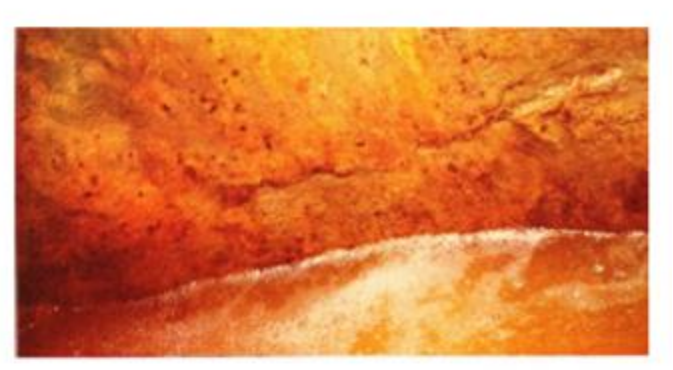


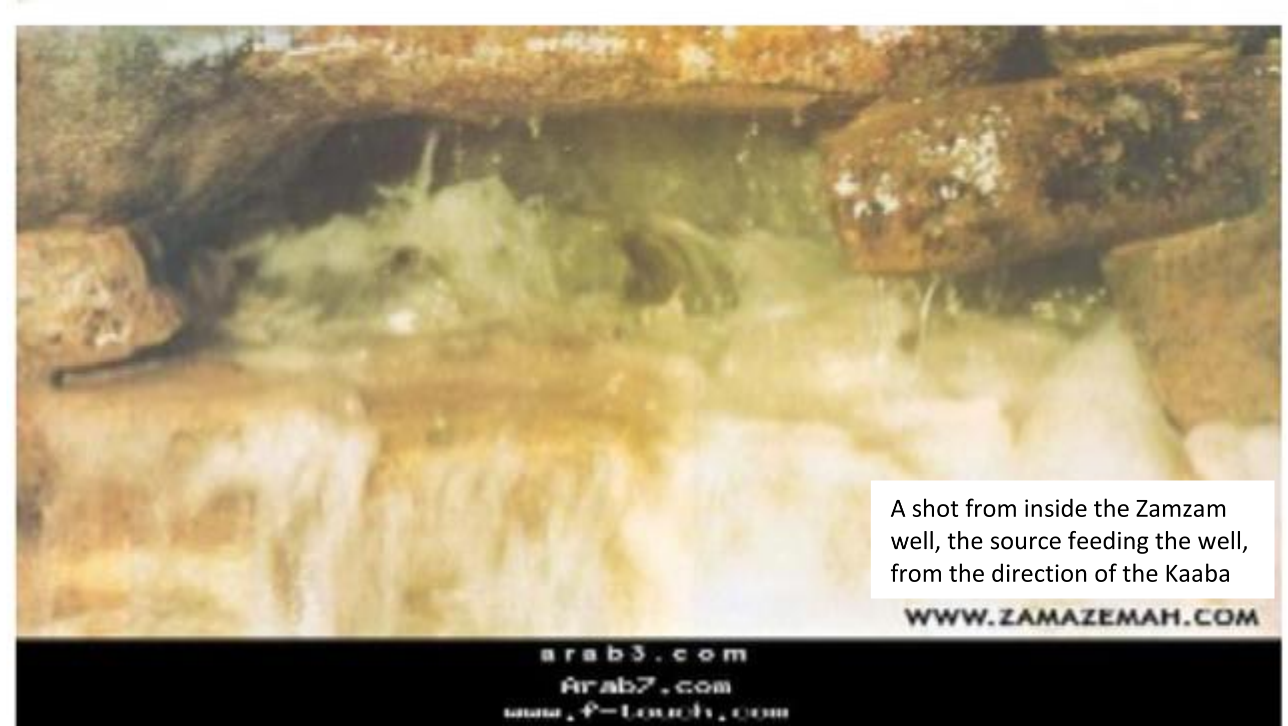
Spring coming from Kaaba direction



Front photo showing water flowing between stones

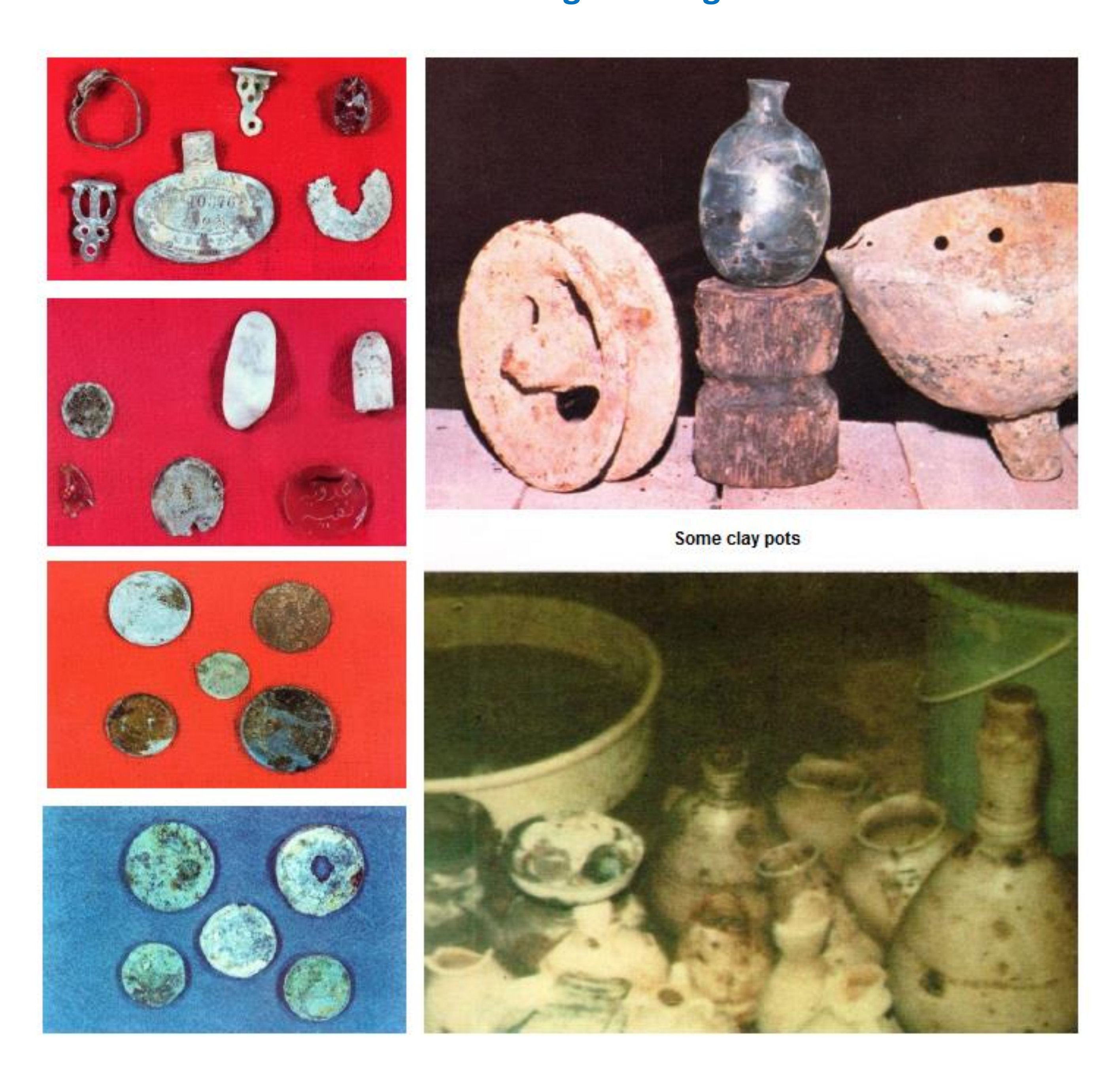






A shot from inside the Zamzam well, the source feeding the well, from the direction of the Kaaba

Pots and coins (10 tons) obtained from the bottom of the Zamzam well during cleaning



Some clay pots

WITHIN THE ERA OF KING FAHD, MAY ALLAH HAVE MERCY ON HIM.

Royal directives were issued to the General Presidency for the Affairs of the Two Holy Mosques to cover the entrances to the Zamzam basement, to define and deepen it, to become after that about 30 meters.

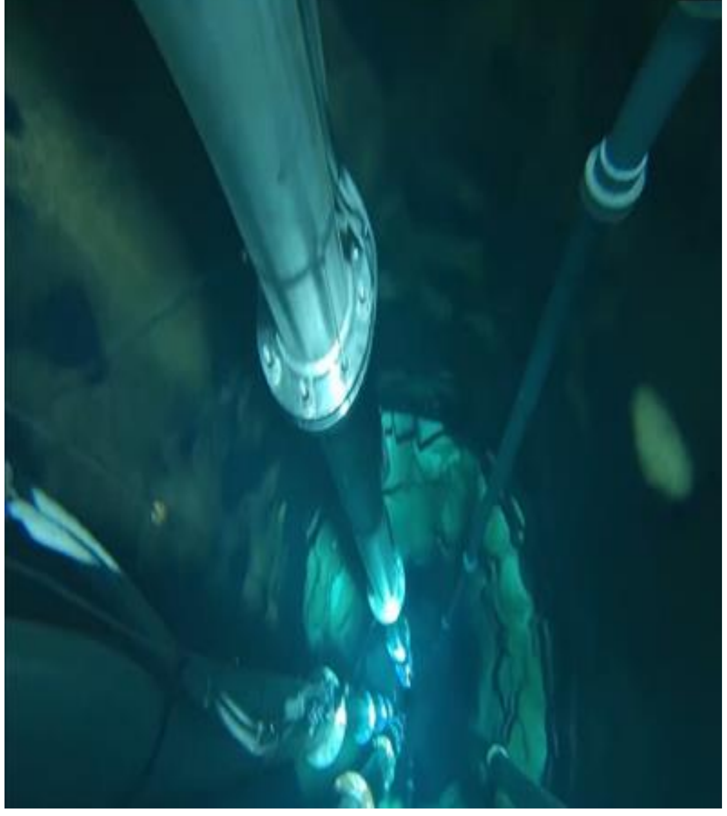




WITHIN THE ERA OF KING ABDULLAH, MAY ALLAH HAVE MERCY ON HIM.

Royal directives were issued to the General Presidency for the Affairs of the Two Holy Mosques to divert Zamzam water from the current well to outside the **Haram (Holy Mosque)** into special tanks for filling and distribution, and this is due to the severe congestion of pilgrims and Umrah performers. Zamzam water was connected to its new location from the eastern part of the Haram by means of lifting (pumps), stainless steel pipes, and the establishment of the King Abdullah Project for Zamzam Watering.

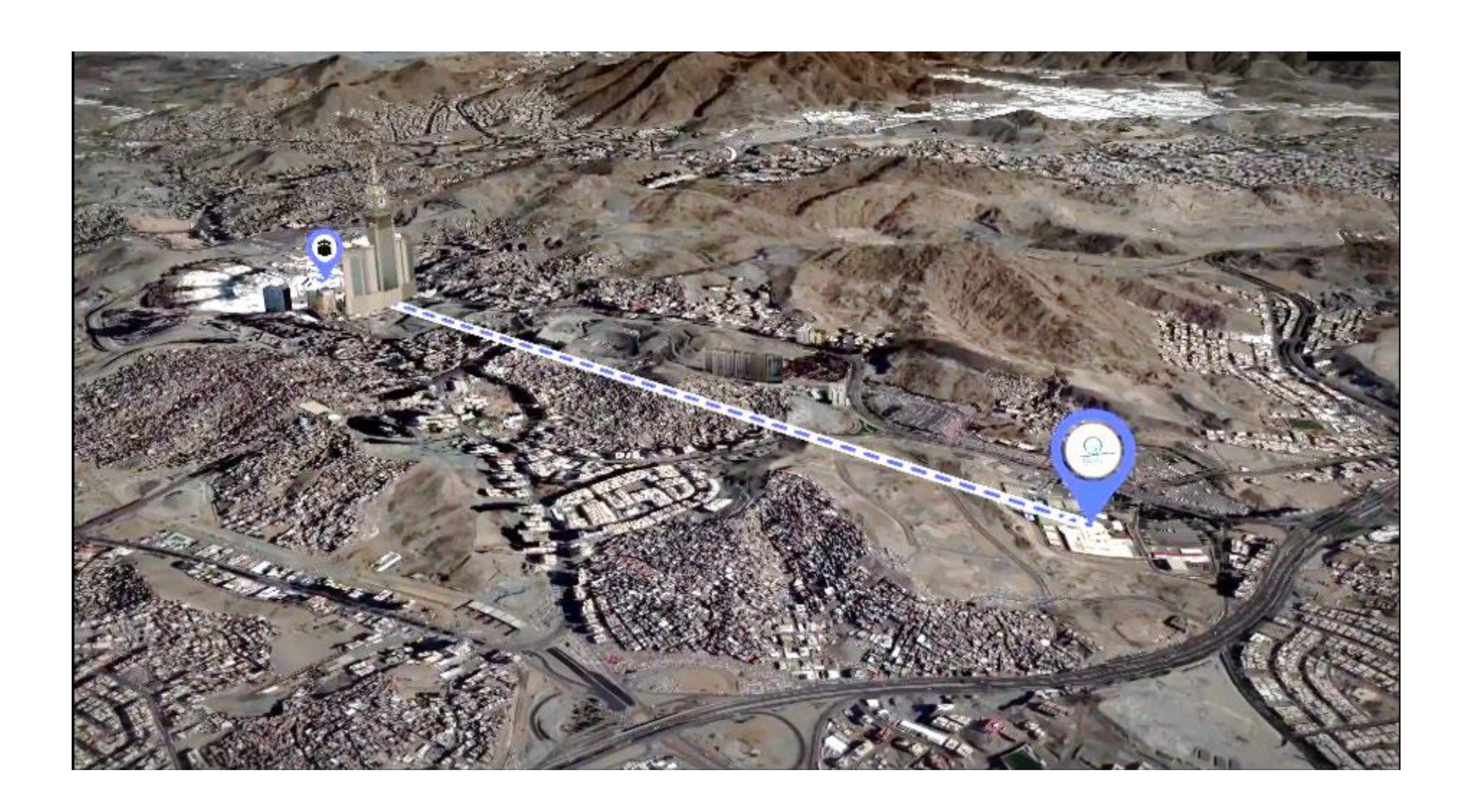




ZAMZAM WATER BOTTLING AND DISTRIBUTION PROJECT

(KING ABDULLAH PROJECT FOR WATERING ZAMZAM)

A project for bottling Zamzam water has been built far from its original location; this is due to the building's proximity to the Kaaba, which impedes the circumambulation due to the large number of pilgrims. Zamzam water has been connected to its new location, which is about 4.5 km, with an area of 13 thousand square meters. In addition, Special tanks have been established for filling and distribution in the Zamzam water bottling and purification project, with a storage capacity of 1.5 million 10-liter packages, and 120 tons are transported to the city daily, up to 250 tons in the seasons.



(KING ABDULLAH PROJECT FOR WATERING ZAMZAM)



DURING THE REIGN OF THE CUSTODIAN OF THE TWO HOLY MOSQUES, KING SALMAN, AND HIS CROWN PRINCE, PRINCE MUHAMMAD BIN SALMAN, MAY ALLAH PROTECT THEM.

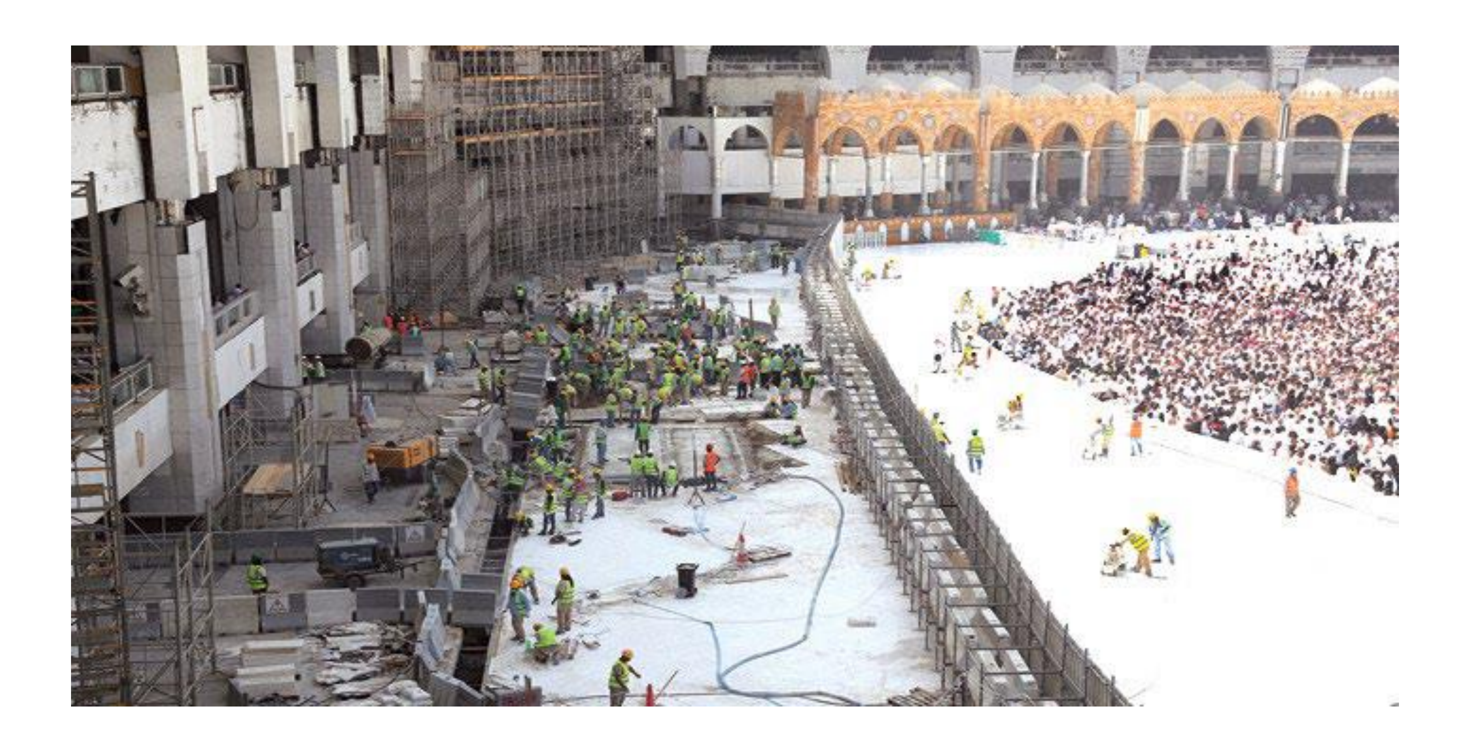
In implementation of the directives of the Custodian of the Two Holy Mosques and His Royal Highness the Crown Prince for the development and development of Makkah; His Royal Highness Prince Khaled Al-Faisal bin Abdulaziz, Adviser to the Custodian of the Two Holy Mosques, and the Governor of Makkah Region, inaugurated the project of rehabilitating the Zamzam Well and the surrounding area, on Tuesday evening, Rajab 10, 1439 AH, corresponding to March 27, 2018 G.

The project of rehabilitating the Zamzam Well and the surrounding area contributes to improving the flow of Zamzam water so that the increasing demand for water is not affected by the expected increase in the number of pilgrims and Umrah performers in the coming years and in conjunction with the completion of the new expansion works of **the Grand Mosque (Holy Mosque)**.



The Zamzam Well rehabilitation project works to remove all obstacles that obstruct the flow of groundwater to Zamzam and upgrade the storage, pumping and optimal distribution systems for water in a way that ensures its purity and safety. Moreover, it includes sterilization of the areas surrounding the well from the remnants of construction in the old basement of the Grand Mosque as well.

The latest technical and engineering solutions are used in the project and the application of the highest quality standards to ensure the safety of the holy places and the safety of worshipers, pilgrims and visitors, as the work of the project of rehabilitating the Zamzam Well and the surrounding area in the Great Mosque of Makkah began under the supervision of the Project Management Office at the Ministry of Finance with the beginning of the year 1439 AH.



In coordination with the Emirate of Mecca Region, the General Presidency for the Affairs of the Grand Mosque and the Prophet's Mosque and the Saudi Geological Survey Authority. Therefore, the ferry area and parts of the well area were excavated, the existing old facilities were removed, the area was cleaned and replaced with gravel materials of the same nature as the materials found in the Zamzam Basin after being purified and roasted under high temperatures to sterilize them. After that, the construction works will be carried out according to the approved designs and recommendations of the Saudi Geological Survey.

CHEMICAL ENGINEERING

OF ZAMZAM WATER

CHEMICAL ANALYSIS OF ZAMZAM WATER

In 1908 AD and in 1993 AD, chemical analyzes of Zamzam water were conducted by specialized companies and the World Health Organization, and the results were amazing, as Zamzam water is completely free of any kind of polluting germs. In addition, the result of the chemical analyzes also confirms that Zamzam water is pure, has no color or smell, and that Zamzam water is completely drinkable and its health effect is good and that the sodium component is high. Moreover, it is considered completely natural and is not treated or chlorinated. Furthermore, the fungi or plants do not grow in the Zamzam well, which causes Smell and taste in water other than well water.

THE PROPORTION OF SALTS IN THE WATER

SAFE DRINKING WATER SHOULD BE BETWEEN 80 TO 500 MG / LITER

DRINKING WATER, WHICH IS SOLD IN THE MARKET, RANGES FROM 80 TO 200 MG / LITER

IN ADDITION, WELL WATER FROM 1500 TO 5000 MG / LITER

MOREOVER, SEA WATER FROM 30,000 TO 50,000 MG / LITER

AS FOR ZAMZAM WATER, IT RANGES FROM 900 TO 2000 MG / LITER

SALTS IN ZAMZAM WATER

The results of Zamzam water analyzes of the Hajj Research Center at King Abdul Aziz University showed that Zamzam water contains high concentrations of sodium, calcium, magnesium and other minerals. However, it falls within the standards of the World Health Organization, except for sodium, it is high as the percentage of salts and minerals in Zamzam water is 2000 mg per liter.

Among the most prominent of these mineral salts is calcium, sodium, magnesium, potassium, and others. Zamzam water is one of the richest waters in the world in calcium, with a rate of 200 mg per liter.

THIS IS AN INDICATION THAT ZAMZAM WATER IS RICH WITH ALL MINERALS, THAT SATISFIES THE HUNGRY.

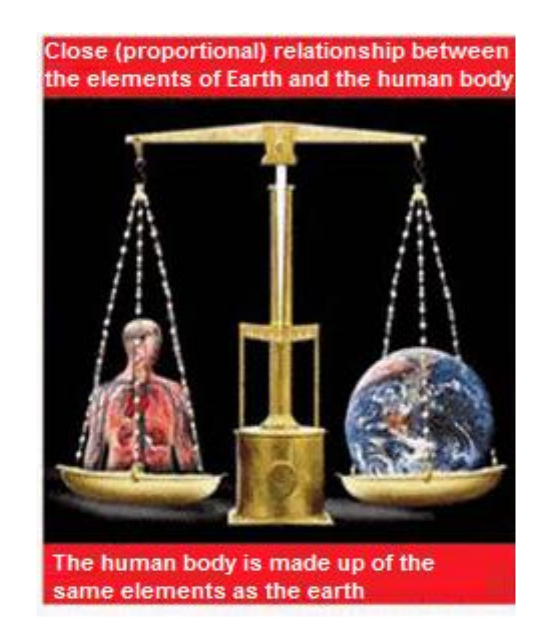
The capillary channels are abundant and dense, as if a magnetic field or current pulls the water to its center (!!! Allah is the greatest) Scientists have analyzed Zamzam water and found it completely 100% free of any kind of germs, and this is very rare in water from springs and wells.

In addition, it is richer (in useful materials) than other wells in Mecca and surrounding the well of Zamzam at a rate of more than eight times, as the rate of useful soluble materials in Zamzam was (2000 mg) per liter, while it did not exceed in other wells. Existing in Mecca (260 mg) per liter.

In Sahih Muslim in the story of the Islam of Abu Dhar al-Ghafari, may Allah be pleased with him, that he stayed on Zamzam water for nearly thirty days, and he had surgeries and thinness in the body, so his wounds were healed, and he was fat until his stomach was broken from the severity of fullness.



It is known that the human body is composed of the same elements that make up the elements of the earth (refer to our previous publication on: The wisdom of fasting the white days). The presence of these elements in these proportions gives the body a natural balance in its compounds, neither an increase nor a decrease, and it is known that the cause of most diseases: either an imbalance in the proportions of the compounds, or their absolute absence, so Zamzam water comes to replace these defective or non-existent ratios!!!



This explains the abundance of Zamzam water, its richness in this huge amount of elements that are negating the human body, its non-drying, and that it remains forever, explains all this: It is located in the center of gravity, where the water is drawn to it from long distances, and it is loaded with large quantities of useful and useful elements .. Glory be to Allah ..

INTERPRETATION OF THE HIGH PERCENTAGE OF SALTS IN ZAMZAM WATER

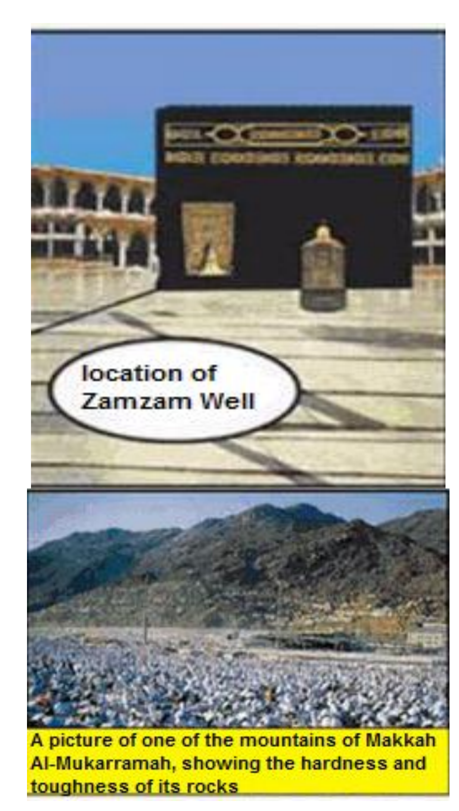
The control of these minerals on acidic waste products in the blood, cells and tissues of the body, causes the waste to be excreted out of the body through sweating or urine.

It is worth noting that during exposure to extremely hot weather, a decrease in both sodium and potassium occurs in the bloodstream, and with intense effort, the rate of loss of both sodium and potassium increases with the increase in the amount of sweat.

This may explain the high sodium and potassium in the water of Zamzam than the permissible rate to compensate for this deficiency due to the extreme heat of the atmosphere in these holy places.

Zamzam water is also one of the wisdoms that Allah - Almighty - has made Mecca a destination for people and not other parts of the earth, because it contains Zamzam water.
Some may ask why Zamzam water is??
Because Zamzam water: heals the patient, God willing - glory be to Him -, satisfies the hungry, fills the thirsty thirst, and the magic becomes clear from the enchanted ..... and this is not found in others - at all - of other waters.
* The Messenger of Allah (Peace be upon him) said: “The water of Zamzam is for whatever it is drunk for.” Classed as saheeh by Al-Albani.
* The Messenger of Allah (Peace be upon him) also said: (It is blessed (water) and it also serves as food).
1- serves as food: food for the hungry - 2- Cure sickness: Cures diseases

Among the matters - also - that have to do with Mecca being the center of Earth's gravity is Zamzam water ... the land in which Zamzam water exploded is solid volcanic rocks that are not absorbent and very solid, no rain ... no rivers ... no lakes ... It is in the middle of the desert, which makes a person think about how to explode Zamzam water, and this situation is?????
Some people may ask: How can this water flow through more than three thousand years, without knowing the dearth or drought. On the contrary, the more it is taken from it, the rate of what is extracted from this water is 18.5 liters per second, and this is not a small amount. And when tunnels were dug around Mekkah to facilitate the performance of the rituals of Hajj, the engineers were astonished at the flow of water towards the Zamzam well.



A picture of one of the mountains of Makkah Al-Mukarramah, showing the hardness and toughness of its rocks

ALKALINE WATER

The book (The Acid-Alkaline Balance in Health and Disease) explains the benefits of drinking alkaline ionized water that it provides the body with a large amount of energy **and that alkaline water:**

- ✓ Equalizes the body's pH and removes acidic waste products from the body.
- ✓ A powerful antioxidant and detoxifying agent (give electrons to free active oxygen atoms), as the percentage of oxygen reaches two hundred times twice the amount found in regular water, which limits the damage of about a hundred thousand healthy cells in the human body daily, - It strengthens the body's immunity.
- ✓ It reduces the oxidation of vital organs and destroys cancer cells. It has negative oxidation and reduction coefficient, so it is considered an anti-bacterial medium.
- ✓ It helps in absorbing nutrients more efficiently into the body and helps the body to represent ionized minerals more easily.
- ✓ Helps to regulate and improve digestion in general by restoring balance to the body.

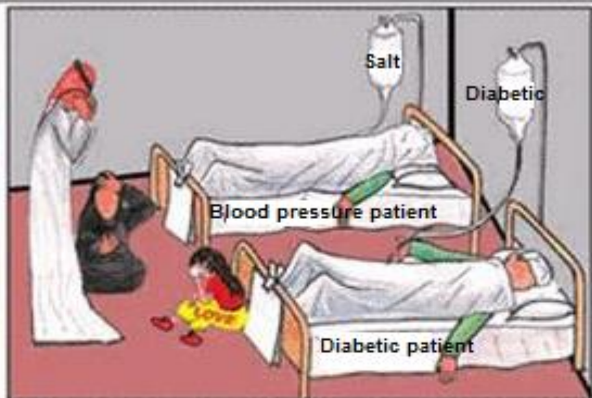
THE BEST WATER THAT CARRIES THESE SPECIFICATIONS IS ZAMZAM WATER

Benefit 1

A comparison has been carried out between the natural nutrient (Zamzam) and the industrial nutrient (serums). The ratios of Zamzam water are compatible and completely consistent with the need of any human body ..., while the industrial feeder is only proportional to the need of a specific body!!! For example: if a diabetic patient was given a sugar nutrient, it would lead to his death ... and if a hypertensive patient was given a saline nutrient, it would lead to his death ... As for Zamzam water, all patients drink it - without exception - and it will be a cause of healing, God willing - Glory be to Him -.

Note: This does not mean that a person should not be treated with modern medicine, and what God Almighty has honored man with knowledge and knowledge.





Benefit 2

It is also noticeable that Zamzam water is light on the stomach, and a person drinks it in quantities that he cannot drink like other water, and doctors advise to drink more fluids in general, especially water ....

So, what about Zamzam water???!!

Benefit 3

One of the properties of Zamzam water - also - is that it is useful in treating some diseases by pouring water on the affected organ (as it contains the same properties of sulfur water) such as: skin diseases, rheumatism, joint pain, neck and neck pain ... etc.

(... and the Prophet used to carry Zamzam water, pour it on the sick, and water them) Muslim.

Zamzam Alkaline Water

The Scientific Research and the results of Zamzam water analyzes of Hajj Research Center at King Abdul Aziz University have proven that Zamzam water is alkaline water based on its pH, due to the high pH value to (7.9).

Where the pH in Zamzam water ranges between 7.5 - 8.0, which is within the percentage allowed for drinking water in accordance with the World Health Organization, estimated at 6.5 - 9.5.

THIS IS AN INDICATION THAT ZAMZAM IS A HEALING, BECAUSE IT CURE DISEASES, ESPECIALLY TOXINS AND CHEMICALS.



CONCENTRATION OF MINERALS IN REGULAR WATER AND ZAMZAM			
	FACTORY WATER	KING SAUD UNIVERSITY	RESEARCH CENTER
MINERALS	CONCENTRATION (mg / L)		
	Mineral water	Normal tap water	Zamzam water
Power of Hydrogen (PH)	7.4	7	7.9
Sodium	17	37.8	250
Calcium	11	75.2	200
Magnesium	3.4	6.8	50
Potassium	1.2	2.7	120
Bicarbonate	26	70.2	366
Chloride	19	73.3	335
Fluoride	1	0.28	1.5
Nitrates	3	2.6	273
Sulfates	26	107	372
Total hardness	41		680
Total dissolved alkaline			300
Total Dissolved Solids	120	260	2000

HEALTHY ENGINEERING OF ZAMZAM WATER

FORMATION OF ZAMZAM WATER ATOMS (PARTICLES) BY MICROSCOPE



Masaru Emoto; president of the Hado Institute for Scientific Research in Tokyo, Japan

His book: A Message from Water



The Japanese scientist Masaru Emoto displays the Zamzam water crystals to read the Qur'an, and the reading made a wondrous effect in the form of water crystals

The Japanese scientist, **Dr. Masaru Emoto**, head of the Hado Institute for Scientific Research in Tokyo, Japan, and the author of the book **"The Messages of Water"**, and founder of the theory of crystallization of water **atoms (Particles)**, photographed ordinary water atoms and Zamzam water **atoms (Particles)**, and the result was:

Zamzam water has a scientific property that is not found in ordinary water, indicating that the scientific studies and research he conducted on water with nanotechnology could not change any of its properties and that a drop of Zamzam water when added to 1000 drops of ordinary water makes it acquire the properties of Zamzam water.

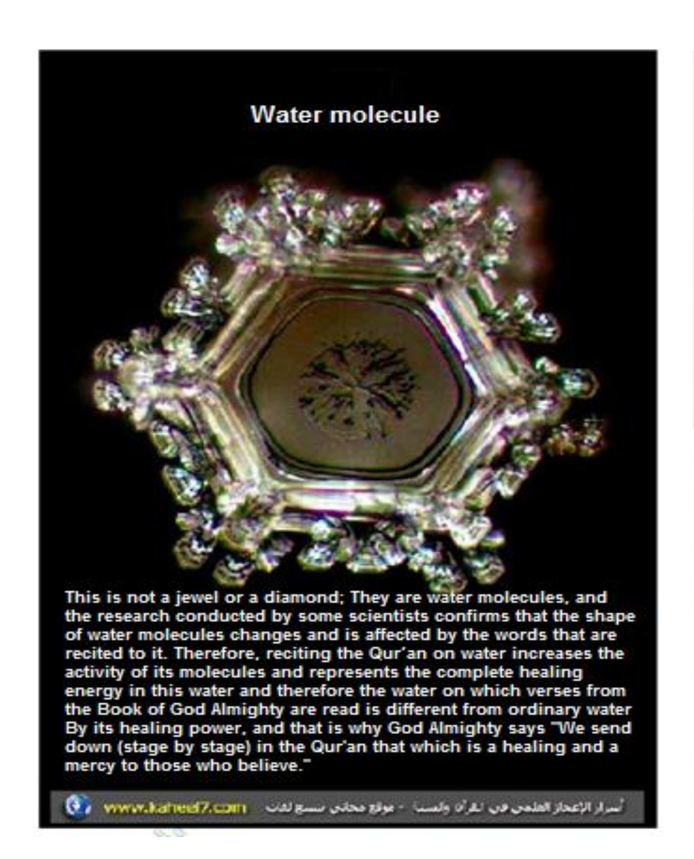
ZAMZAM WATER MEMORY

Dr. Masaru Emoto, who visited the Kingdom of Saudi Arabia, and within an interview after attending the scientific symposium organized by Dar Al-Hikma College for Girls in Jeddah, Saudi Arabia, on water research with nanotechnology, in the presence of more than 500 researchers and interested people in universities and scientific research centers, explained that he conducted many research and studies on Zamzam water; he obtained them from an Arab person who was residing in Japan, indicating that Zamzam water is unique and distinct and does not resemble in its crystals any kind of water in the world, regardless of its source.

He pointed out that all studies in laboratories and laboratories have not been able to change the property of this water, which is something we have not been able to know until now. In addition, the water crystals resulting after refining give wonderful shapes, so it cannot be ordinary Zamzam water. He pointed out that **the Bismallah (in the name of Allah the merciful, the compassionate)**, in the Holy Qur’an, which Muslims use at the beginning of their work and when eating or going to sleep, has a wonderful effect on water crystals. He added saying, **“When water crystals were exposed to Bismallah through reading, they made a wonderful effect in it and formed very beautiful crystals in the formation of water”**.

Among the most prominent experiences of **Dr. Masaru Emoto**, when water was heard as a tape in which the Holy Quran was recited, then water crystals were formed that have a very symbolic design of clarity and purity. Moreover, he stated that the different geometric shapes in which water crystals are formed on which the Qur’an was read or supplicated are very beautiful vibrations.

FORMATION OF ZAMZAM WATER ATOMS (PARTICLES) BY MICROSCOPE









These are photos for frozen water crystals influenced by various sound waves frequencies. Notice how the molecules of water are formed in peculiar, fantastic forms and shapes. These photos prove that water possesses a specific energy. These are the shapes that Emoto got while performing his experiments. See: The Message from Water.



This is not a decorated panting, but rather it is a snow crystal as it appears under the microscope. Surprisingly enough that we con not find two identical or even kite crystals of water in the entire world. The question that we may pose to agonistic people is, 'How did these crystals form in such artistically fantastic formation? Is it the nature who formed them? Did it happen by a mere chance of probability? Who has granted those crystals this peculiar formation system? Or is it Allah, Who said about Himself: "Allah is the Creator of everything."

Why are we surprised at this memory?

Some people may surprise to hear about this, and they may pose the following question: How could water store information? The answer is: Water is the essence of life. Humans and other living beings are created of water. Water makes up %70-90 of the living cells. Water might make up even more than %90 of some

Emoto brought few drops of Zamzam's water and recited the "Basmaleh" [In the Name of Allah, the Beneficent, Most Merciful] in Arabic and noticed that the arrangement of the water partides became prettier! In fact, these drops of water formed unique shapes as if they were drawn by a fantastically skilled artist





The photo illustrates a snow crystal drawn by a computer in a way that resembles the real crystal. Every milliom crystals of these weighs one gram only. This means, if we freeze one k dog ram of water it might have a billion snow crystals. Not one of those crystals resembles the other crystals. Glory be to Allah, the Almighty.

This is a photo of a water crystal as captured by Emoto. He noticed that water takes numerous shapes and forms under specific sound frequencies. Perhaps the greatest effect was when he brought Zamzam water and recited verses from the Glorious Quran on it. He observed the water partide taking distinct shapes that distinguish them from any other water particles' shape in the world.

Water molecules, like any other molecules, are constantly in oscillation or vibration. Therefore, these molecules are affected with all types of light and/or sound vibrations or any other type of vibrations. Water molecules have a unique pattern of vibration as it is affected by sound frequencies around them.

MECHANICAL ENGINEERING

OF

ZAMZAM WATER AND RIBBING (SATURATION)

There are two theories of water inside the human body:

THE FIRST THEORY: OSMOSIS

Osmosis theory: We bring a glass tube with two u-shaped branches (as in Figure 1) and separate its two branches by placing a semipermeable membrane. We fill the right branch with water and fill the left branch with a solution of water dissolved in salt, so that the height of the water column in the two branches is equal, and we see after a portion of time that the column of fresh water decreases and the column of saltwater rises. It is called osmotic pressure or osmotic pressure and it is a vital process present in natural processes.

If fresh water goes into the stomach, then the stomach works like a glass tube in Figure 2, and the stomach wall works like a permeable membrane, so the water goes towards the body, because the salts in the body are highly concentrated and osmosis takes place.



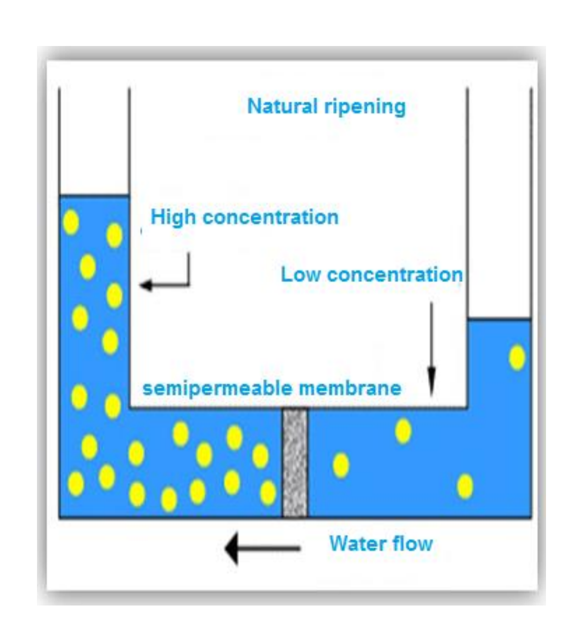




Figure 1

THE SECOND THEORY: REVERSE OSMOSIS

Reverse osmosis theory: Reverse osmosis, or "osmotic **pressure**", is done by applying pressure in the column of salt water (as in Figure 3), to force the water molecules to pass through the semipermeable membrane in the opposite direction, that is, in the direction of fresh water. Thus, the amount of fresh water increases and the salt remains - concentrated to the left.

Therefore, if saltwater goes into the stomach and a person drinks until he becomes full, then the pressure on the saltwater causes the fresh water to move toward the body, and thus, reverse osmosis occurs.

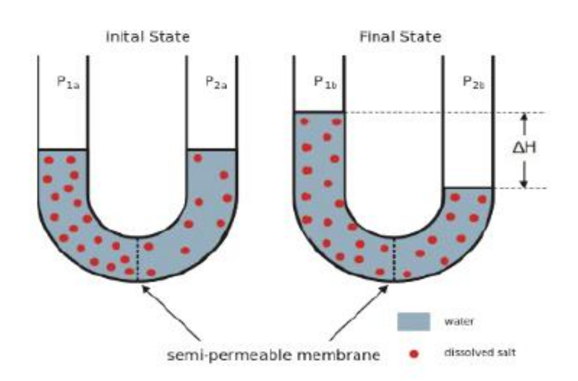


Figure 2

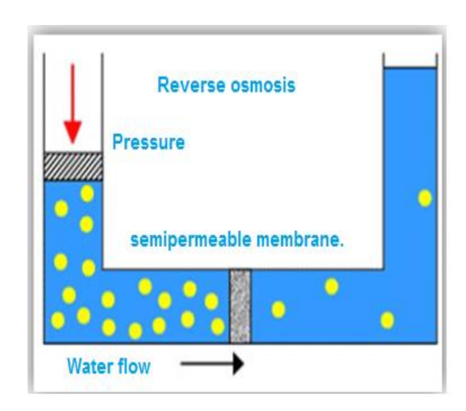


Figure 3

This method is used to separate fresh water from salt water in desalination plants for salty seawater, but energy must be spent to generate this pressure. (Figure 4)



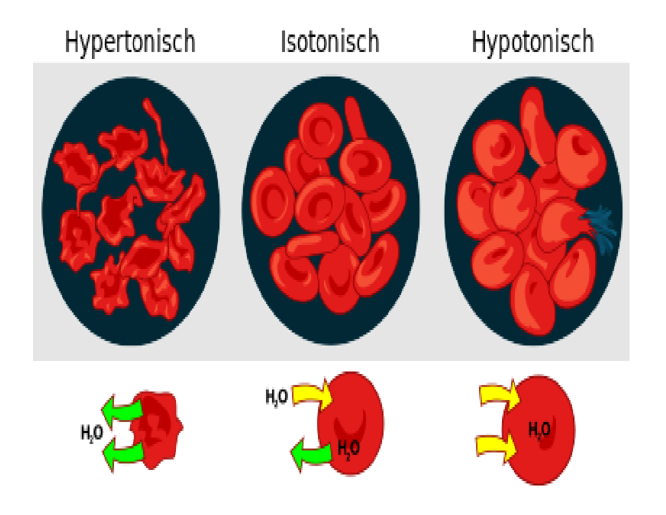
(FIGURE 4)

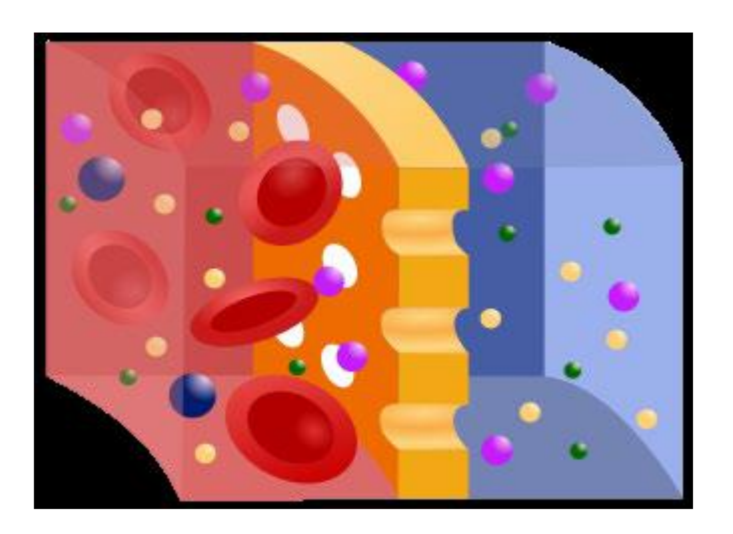
((RIBBING or SATURATION))

IT IS THE THEORY OF REVERSE OSMOSIS OF ZAMZAM WATER

If Zamzam water goes into the stomach, and a person drinks until he becomes full, then the pressure on Zamzam water causes the freshwater particles to move towards the body through the stomach wall, and salts and minerals remain inside the stomach so that they can be used, and this is called reverse osmosis.

Accordingly, this process, which requires great pressure in the body, is called **Ribbing or Saturation** (which is the same as reverse osmosis), and thus the body fully benefits from Zamzam water. In addition, it is no secret to everyone that Zamzam water is water rich of salts and minerals with a high concentration, which are beneficial to the body. However, the elements it contains are completely different from the elements of well water or any other water.





The effect of osmosis pressure on the red blood cell

The gastric membrane through which small particles penetrate

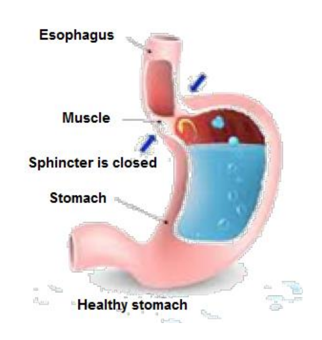
RIBBING (SATURATION) WITH ZAMZAM WATER IN THE HONORABLE PROPHETIC SUNNAH

Ribbing (Saturation) with Zamzam water is one of the Sunnah's of the Prophet Mohammed - full peace be upon him. Moreover, the meaning of ribbing (saturation) in the dictionary of meanings: Saturated: he is fully filled with water or irrigated until the water reached his ribs. In the hadith: (He drank until he became full). That means that he drank more until his side and ribs are stretched. **Ribbing (Saturation) with** Zamzam water means too much full and irrigated with water.

What was mentioned in the hadiths regarding ribbing (saturation): The jurists of the four schools of thought stated that it is desirable to drink more Zamzam water and to be saturated and irrigated from it, **inferring:**

(1) On the authority of Ibn Abbas, may God be pleased with him, that the Messenger of ALLAH, may ALLAH bless him and grant him peace, said: ((Whatever between us and the hypocrites is that they do not swallow up (DRINK) from Zamzam)). Narrated by Ibn Maja in his Sunan: 1017

(2) On the authority of Ibn Abbas, may God be pleased with them that he said: The Messenger of ALLAH, May ALLAH bless him and grant him peace, said: "Ribbing from Zamzam water is an innocence from hypocrisy." Makkah News by Azraqi 2/52 and Al-Suyuti symbolized it in **Al-Jami 'Al-Saghir. (The small collector)**.



THE POET
AL-TAJ AL-SUBKI WROTE POETRY
ABOUT ZAMZAM WATER.
HE SAID:

THE BEST WATER IS THE WATER THAT CAMEOUT

THROUGH THE FINGERS OF PROPHET MOHAMMED (PBUH)

THEN, IT IS FOLLOWED BY ZAMZAM WATER, AL KAWTHAR RIVER, THE NILE OF EGYPT,

AND THEN THE REST OF THE RIVERS

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